

QUICK-SET SAMSON EQUIPMENT



Designed for loads to 25 pounds, Samson handles comfortably a large variety of medium sized TV, motion picture and studio equipment. Tripods have strut-braced legs and worm-gear drive Elevator column. Legs terminate in large neoprene tips. Available on order without Elevator.

7301 FULL Samson Tripod with Elevator **\$80**
2-sec. legs, $1\frac{1}{2}$ " & $1\frac{3}{8}$ " dia. Elevator $1\frac{3}{4}$ " dia., 18" rise. Height 32" to 72". Telescoped $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x 40". Weight 10 lb.

8301 $\frac{3}{4}$ (Traveling) Samson Tripod with Elevator **\$90**
3-sec. legs, $1\frac{1}{2}$ "- $1\frac{3}{8}$ "- $1\frac{1}{4}$ ". Elevator $1\frac{3}{4}$ " dia., 13" rise. Height 21" to 54". Telescoped $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x 20". Weight $8\frac{1}{2}$ lb.

NOTE: Add height and weight of head.

7601 Samson DOLLY **\$43+**
Hinge pins anchor tripod legs in recesses in Dolly arms. $4"$ x $\frac{3}{4}"$ Casters with brakes. Folds to $6\frac{1}{2}"$ x $7\frac{1}{2}"$ x $21\frac{1}{2}"$ Capacity 50 lb. Height 7". Weight 8 lb.

PAN HEADS—Four models, for TV, motion picture or still cameras, etc. Worm-gear drive or friction control. All tilt 45° up, 90° down, pan 360° . Torsion springs counterbalance camera.

7241 Samson Still camera FRICTION Head **\$30+**
Has 15° side tilt, right and left. Height $6\frac{1}{4}"$. Weight 2 lb.

7251 Samson Still camera GEARED Head **\$45+**
Has worm-gear tilt, ratio, 1:150. Height $6\frac{1}{4}"$. Weight $2\frac{1}{2}$ lb.

7201 Samson Motion Picture (TV) FRICTION Head **\$30**
15" handle adjustable for angle. Height 6". Weight 2 lb.

7261 Samson Motion Picture (TV) GEARED Head **\$45**
Has worm-gear tilt like 7251 Head. Height 6". Weight 2 lb.

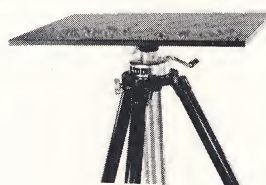
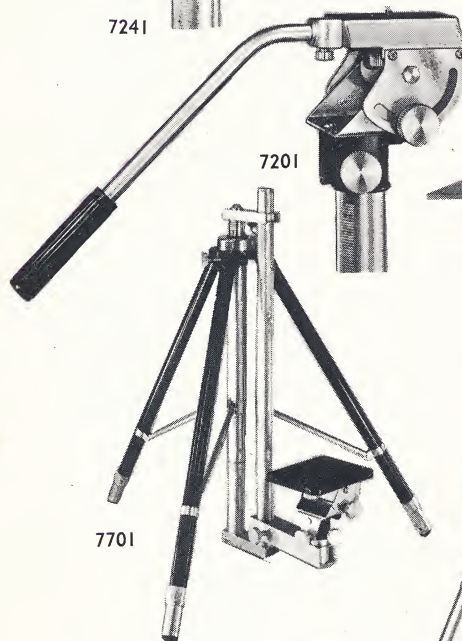
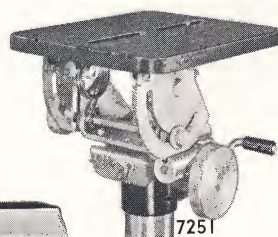
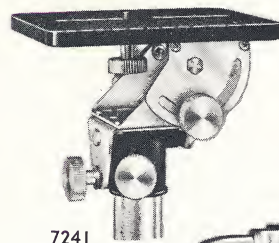
7701 LO-HI Unit (for Full Samson only) **\$35**
Auxiliary tube attaches to ends of column, arm slides and swings on tube. Gives height from 5" to 72". Weight 5 lb.

7521 Samson TABLE TOP **\$20+**
Mounts on Elevator column. Made of hardboard $\frac{1}{2}"$ thick, $16"$ x $22"$. Weight $9\frac{1}{2}$ lb.

7801 Samson COLUMN EXTENSION **\$15**
Mounts on either end of column, increases range 18". Weight 2 lb.

8501 Samson SIDE ARM **\$15**
Attaches to 7801 Column Extension, slides on tube for low camera positions to 9". Offset $10\frac{1}{4}"$. Weight $1\frac{3}{4}$ lb.

8511 Traveling Samson Case **\$20**
Holds $\frac{3}{4}$ Samson, Head, Column Extension and Side Arm. $8"$ x $10"$ x $25"$. Weight 6 lb.



7701

7521



8511

7801 and 8501

†PRICES HAVE BEEN CHANGED

QUICK-SET CONSOLE EQUIPMENT

Unit attaches to console, bench, etc., to mount TV camera over microscope, specimen, etc. Greatly aids adjusting field and focus. All units can be supplied mounted on metal cabinet 31" x 18" x 29" high with 1 1/2" Formica top, sliding doors and shelf.

ELEVATOR COLUMN UNITS—Use Tripod Elevator mechanism. Column descends through console top. Use Pan head or Column Bracket as required.

7900	SAMSON Elevator Column Unit, 18" travel	\$64
7900C	Same as above with cabinet	*
5900	HERCULES Elevator Column Unit, 20" travel	\$125†
5900C	Same as above with cabinet	*
6900	GIBALTAR Elevator Column Unit, 20" travel	\$245†

MOTORIZED COLUMN UNITS Motor-driven ball-bearing jack screw mechanism mounts under Top, column passes through. Reversible, variable speed remote control.

7920	SAMSON Motorized Column Unit, 20" travel	\$790
7920C	Same as above with cabinet	*
5910	HERCULES Motorized Column Unit, 20" travel	\$950
5910C	Same as above with cabinet	*

STATIONARY COLUMN UNITS Column mounts on Top, arm raises and lowers by hand. Includes modified Samson head. 1 3/4" column, 20" travel.

7581	SAMSON Stationary Column Unit	\$72
7581C	Same as above with cabinet	*

*Price quoted on request—varies with quantity and specifications of cabinet.

PEDESTALS Elevator mechanism is mounted on large column with flanged base. Use pan head as required. Special heights, power operation available on special order.

5800	HERCULES Pedestal — 2" column, height 32" to 50"	\$185†
6800	GIBALTAR Pedestal — 2 3/8" column, height 32" to 52"	\$310†

ACCESSORIES

ADAPTERS to mount PELCO Pan Heads on ELEVATOR column.

7571	SAMSON Adapter for PT-100S Head	\$12
7572	SAMSON Adapter for PT-125S & 155S	\$12
5551	HERCULES Adapter for PT-125S & 155S	\$28†
5561	HERCULES Adapter for PT-500	\$35†
6561	GIBALTAR Adapter for PT-500	\$35†
5571	HERCULES Adapter for PT-1000	\$45†
6571	GIBALTAR Adapter for PT-1000	\$45†

7545	SAMSON Adapter for PRO-JR type heads	\$40
5541	HERCULES Adapter for PRO-JR type heads	\$45†
6541	GIBALTAR Adapter for PRO-JR type heads	\$45†

7551	SAMSON 90° COLUMN BRACKET	\$19
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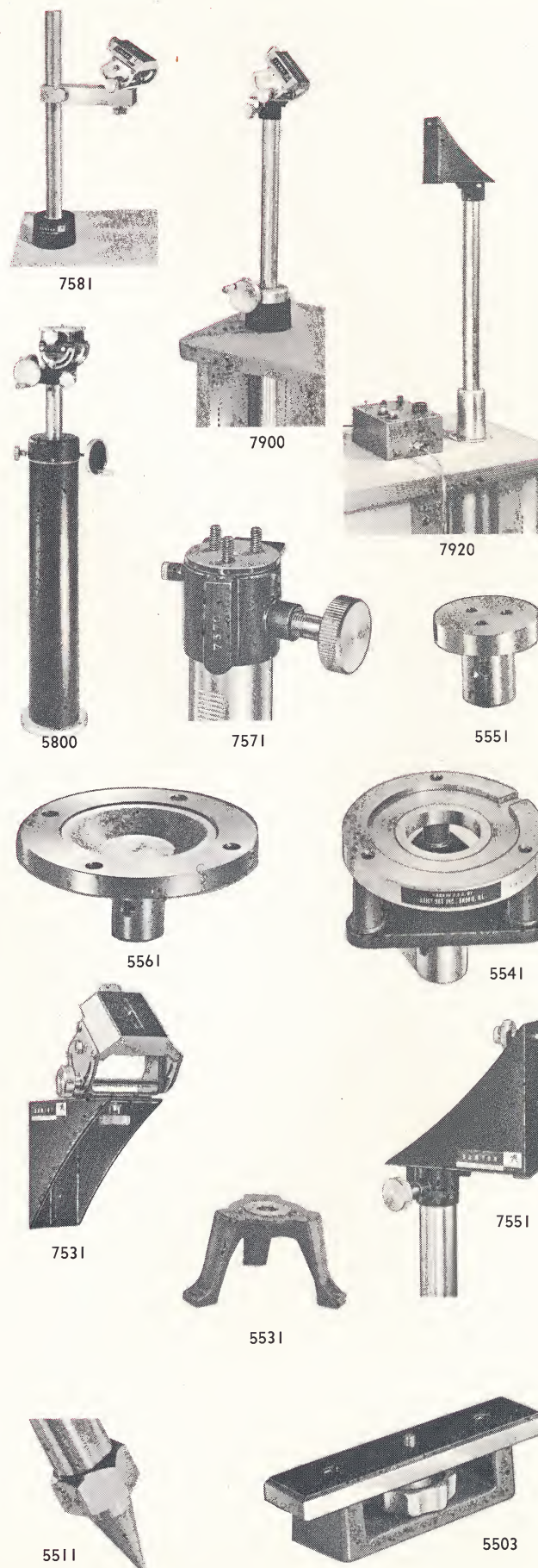
For vertical mounting of camera or head.

7531	SAMSON WALL MOUNT	\$41
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Bracket with modified Samson head makes permanent universal-angle mount.

5531	HERCULES HI-HAT	\$25
6531	GIBALTAR HI-HAT	\$25
5503	CINE-KODAK SPECIAL ADAPTER	\$15
5511	HERCULES SPIKE TIP replaces foot plate	Set \$15
6511	GIBALTAR SPIKE TIP replaces foot plate	Set \$20

†PRICES HAVE BEEN CHANGED



QUICK-SET GIBALTAR EQUIPMENT



GIBALTAR handles loads to 200 pounds and is our largest and strongest equipment. Legs fitted with non-slip foot plates attached by ball and socket joint. There are 3 models, identical except for height. Available on order without Elevator.

6302 FULL Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 20" rise. Height 44" to 92". Telescoped 13" x 16" x 58". Weight 42 lb.

6312 3/4 Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 20" rise. Height 30" to 64". Telescoped 13" x 16" x 46". Weight 38 lb.

6332 1/2 Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 13" rise. Height 18" to 39". Telescoped 13" x 16" x 29". Weight 32 lb.

NOTE: Add height and weight of head.

6601 Gibraltar DOLLY \$225†

Sliding clamp fastens tripod foot plate to caster unit. Casters can be set for free swivelling or straight line tracking, or locked. Folds to 12" x 16" x 35 1/2". Casters 5" x 1 3/8". Capacity 500 lb. Height 9 1/2". Weight 34 lb.

NOTE: 3/4 AND 1/2 GIBALTAR mount on 5602 FULL HERCULES DOLLY.

PAN HEADS have roller-bearing tilt, 60° up, 60° down. Ball-bearing pan, 360°. Torsion springs counterbalance load. Bevel-gear driven attachment screw 3/8"—16.

6202 Gibraltar FRICTION Head \$395

Friction locks on pan and tilt. Handle 1" dia. x 19" long adjustable for angle. Mounting plate 8" x 10". Height 8 1/2". Weight 16 lb.

6222 Gibraltar GEARED Head \$435†

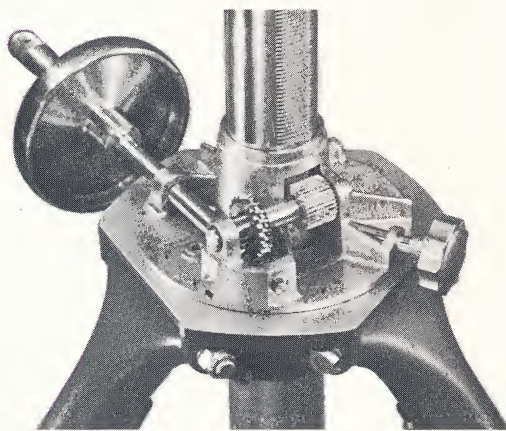
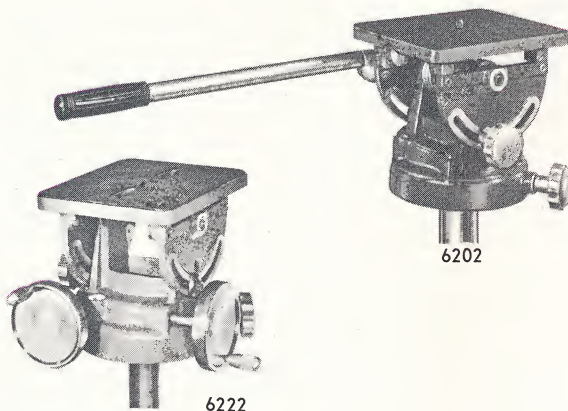
Worm-gear drive on pan and tilt. Otherwise same as 6202. Height 8 1/2". Weight 18 lb.

GENERAL DESCRIPTION: Basic construction employs high-strength aluminum alloys in tubular, flanged and ribbed sections, achieving great strength with astonishingly light weight. Parts are heavily protected against corrosion and durably finished. All products will operate without difficulty throughout ranges of temperature, humidity and dust, well in excess of those ordinarily encountered.

ELEVATOR MECHANISM: An outstanding feature of Quick-Set design. The tubular column has rack teeth machined in it, and it is raised and lowered by a pinion which is rotated by a worm-gear drive.

Quick-Set will modify standard equipment, in quantity, to meet customer's requirements; will build special equipment to customer's design; or will design special equipment to meet customer's specifications.

†PRICES HAVE BEEN CHANGED



INSTRUMENT-
POSITIONING
EQUIPMENT

QUICK-SET

INCORPORATED



QUICK-SET HERCULES EQUIPMENT

HERCULES is the work-horse of the Quick-Set line. Weighing less than 20 pounds, it handles loads to 65 pounds. Legs fitted with non-slip footplates attached by ball and socket joint. It is available in two models which are identical, except for size of legs. Available on order without Elevator.

5302 FULL Hercules Tripod with Elevator \$195†
2-sec. legs, 1 3/4" & 1 1/2" dia. Elevator 2" dia. x 18" rise. Height 33" to 73". Telescoped 9 1/2" x 11 1/2" x 41". Weight 19 lb.

5312 3/4 Hercules Tripod with Elevator \$195†
2-sec. legs, 1 1/2" x 1 1/4" dia. Elevator 2" dia. x 18" rise. Height 26" to 58". Telescoped 9 1/2" x 11 1/2" x 31". Weight 17 lb.

NOTE: Add height and weight of head.

5602 FULL Hercules DOLLY \$105†
Sliding clamp fastens tripod foot plate to caster units. Casters can be set for free swivelling or straight line tracking, or locked. Folds to 7" x 13" x 28". Caster 4" x 1". Capacity 500 lb. Height 7". Weight 15 lb.

(This DOLLY also handles 3/4 GIBRALTAR and 1/2 GIBRALTAR Tripods)

5610 3/4 Hercules DOLLY \$105†
Same as 5602, except shorter arms. Folds to 7" x 13" x 22".

PAN HEADS—Four models, for TV, motion picture or still cameras, etc. All have roller-bearing tilt, 45° up, 90° down, and ball-bearing pan 360°. Torsion springs counter-balance camera. 1/4"—20 attachment screw standard; 3/8"—16 available.

5202 Hercules Motion Picture FRICTION Head \$130†
Sliding camera plate centers camera. Handle adjustable for length and angle. Camera plate 4" x 4". Height 6 3/4". Weight 7 lb.

5261 Hercules DUALOK (TV) Head \$165†
Same as 5202, except pan and tilt have independent drag controls and fast lock. Height 6 3/4". Weight 7 lb.

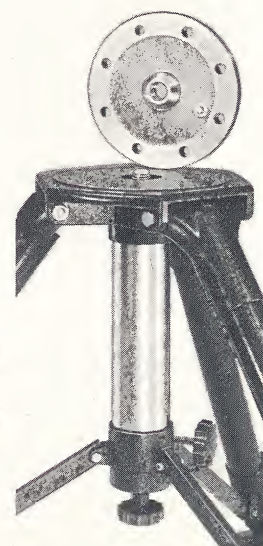
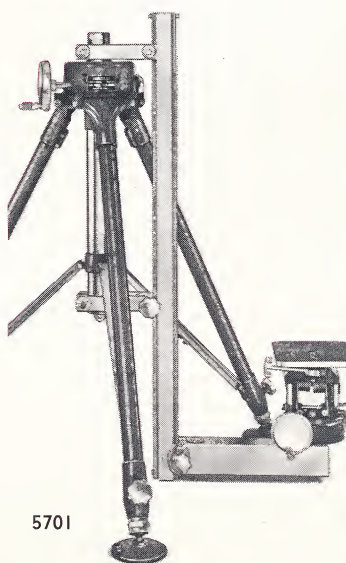
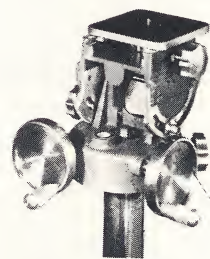
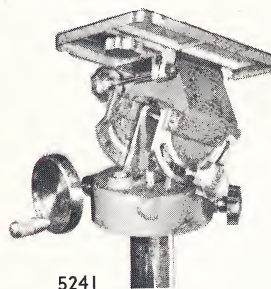
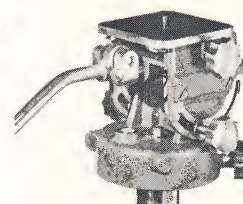
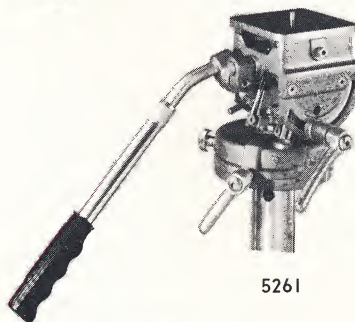
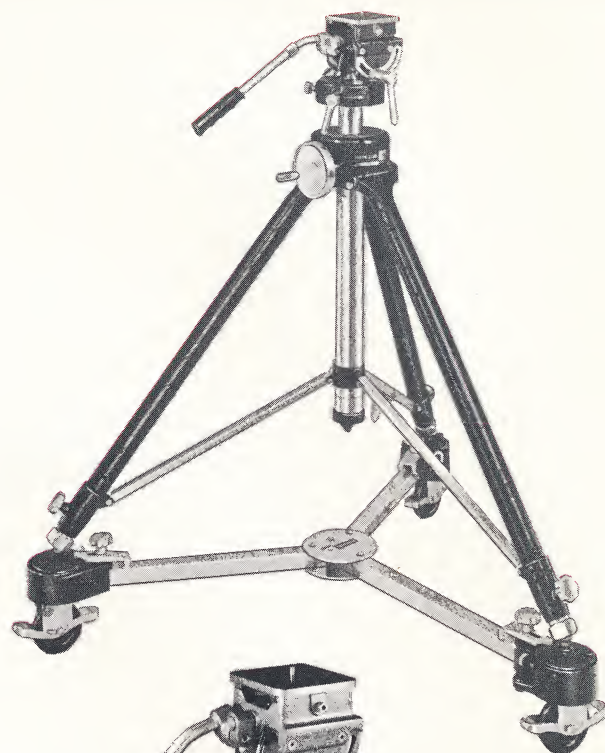
5221 Hercules GEARED Head \$175†
Pan and tilt operated by irreversible worm-gear drive. Otherwise same as 5202. Height 6 3/4". Weight 7 lb.

5241 Hercules STILL CAMERA Head \$140†
Worm-gear tilt, friction pan plus 20° side tilt. Camera plate 6 1/2" x 8 1/2". Height 7 1/2". Weight 7 lb.

5701 Hercules LO-HI Unit \$90†
A vertical tube is attached to top of Elevator and braced at the bottom to the strut tube. Extension arm slides on tube and entire unit is raised and lowered by Elevator. Height 9" min., 86" max. Weight 9 lb.

DRAW-BOLT Q/D FASTENING

A mounting element attached to instrument mates with element on tripod. 1"—8 bolt provides strong, rapid attachment and removal. Also applicable to mounting on Elevator column. Available on special order on GIBRALTAR and HERCULES.



We present here a selection of Quick-Set Equipment which is now being used with Television and Motion Picture Cameras in schools, studios, and in military and industrial applications. Individual product catalogs, with additional information and complete detailed specifications, are available on request.

Quick-Set makes additional instrument positioning equipment suitable for handling a wide variety of devices, large or small, heavy or light. Please send information regarding your requirements for additional information.

NEW SUPER QUICK-SET TRIPODS

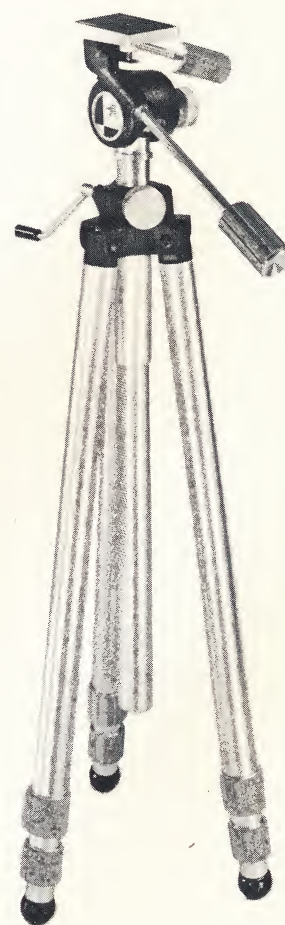
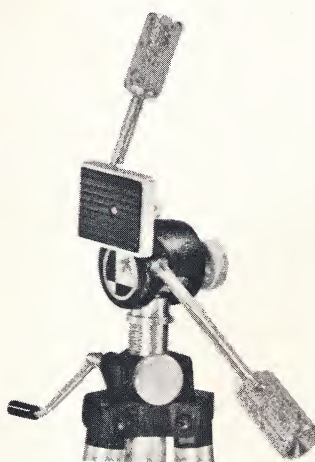
A really portable tripod which easily positions large cameras (up to 15 lb.) and holds them securely. A massive new design incorporating sturdier construction throughout, and interesting and useful new features.

NEW TRIPOD FEATURES include

Larger legs ($1\frac{1}{4}$ " upper section)
Sure-grip leg locks, ribbed-vinyl covered
Larger Elevator column ($1\frac{1}{4}$ "),
gear driven and reversible

NEW PAN HEAD FEATURES include

Separate controls for Pan and Tilt
Side tilt— 90° left, 40° right
Sure-grip knobs, ribbed-vinyl covered
Larger camera plate ($2\frac{3}{8}$ " x $3\frac{3}{8}$ ")
Quick-acting FASTITE Camera Screw
(U.S. Pat. No. 3,126,187)



10430 HUSKY IV Elevator Tripod & Head \$55†

3-section legs $1\frac{1}{4}$ ", $1\frac{1}{8}$ ", 1"
Geared Elevator, reversible $1\frac{1}{4}$ " dia. x 15" rise
Height extended 72" Telescoped 30" Weight $7\frac{1}{2}$ lbs.

†PRICE CHANGE.

INSTRUMENT-
POSITIONING
EQUIPMENT

QUICK-SET



INCORPORATED

Designed for loads to 25 pounds, Samson handles comfortably a large variety of medium sized TV, motion picture and studio equipment. Tripods have strut-braced legs and worm-gear drive Elevator column. Legs terminate in large neoprene tips. Available on order without Elevator.

7301 FULL Samson Tripod with Elevator \$80

2-sec. legs, $1\frac{1}{2}$ " & $1\frac{3}{8}$ " dia. Elevator $1\frac{3}{4}$ " dia., 18" rise. Height 32" to 72". Telescoped $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x 40". Weight 10 lb.

8301 $\frac{3}{4}$ (Traveling) Samson Tripod with Elevator \$90

3-sec. legs, $1\frac{1}{2}$ "- $1\frac{3}{8}$ "- $1\frac{1}{4}$ ". Elevator $1\frac{3}{4}$ " dia., 13" rise. Height 21" to 54". Telescoped $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x 20". Weight $8\frac{1}{2}$ lb.

NOTE: Add height and weight of head.

7601 Samson DOLLY \$43†

Hinge pins anchor tripod legs in recesses in Dolly arms. 4 " x $\frac{3}{4}$ " Casters with brakes. Folds to $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x $21\frac{1}{2}$ " Capacity 50 lb. Height 7". Weight 8 lb.

PAN HEADS—

All tilt 45° up, 90° down, pan 360° . Torsion springs counterbalance camera.

7201 Samson Motion Picture (TV) FRICTION Head \$30

15" handle adjustable for angle. Height 6". Weight 2 lb.

7261 Samson Motion Picture (TV) GEARED Head \$45

Has worm-gear drive on tilt, otherwise same as 7201. Height 6" Weight $2\frac{1}{2}$ lb.

CONSOLE EQUIPMENT

Unit attaches to console, bench, etc., to mount TV camera over microscope, specimen, etc. Greatly aids adjusting field and focus. All units can be supplied mounted on metal cabinet 31 " x 18 " x 29 " high with $1\frac{1}{2}$ " Formica top, sliding doors and shelf.

ELEVATOR COLUMN UNITS—Use Tripod Elevator mechanism. Column descends through console top. Use Pan head or Column Bracket as required.

7900 SAMSON Elevator Column Unit, 18" travel \$64

7900C Same as above with cabinet *

STATIONARY COLUMN UNITS Column mounts on Top, arm raises and lowers by hand. Includes modified Samson head. $1\frac{3}{4}$ " column, 20" travel.

7581 SAMSON Stationary Column Unit \$72

7581C Same as above with cabinet *

MOTORIZED COLUMN UNITS Motor-driven ball-bearing jack screw mechanism mounts under Top, column passes through. Reversible, variable speed remote control.

7920 SAMSON Motorized Column Unit, 20" travel \$790

7920C Same as above with cabinet *

7551 SAMSON 90° COLUMN BRACKET \$19

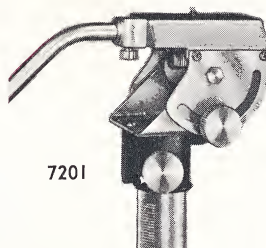
For vertical mounting of camera or head.

7531 SAMSON WALL MOUNT \$41

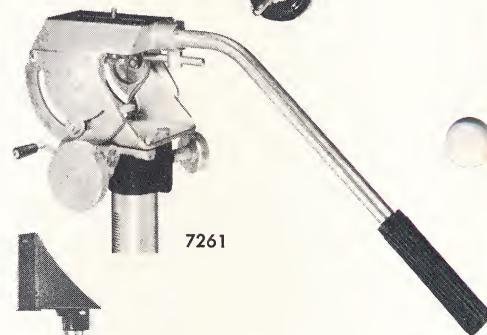
Bracket with modified Samson head makes permanent universal-angle mount.

*Price quoted on request—varies with quantity and specifications of cabinet.

†PRICES HAVE BEEN CHANGED



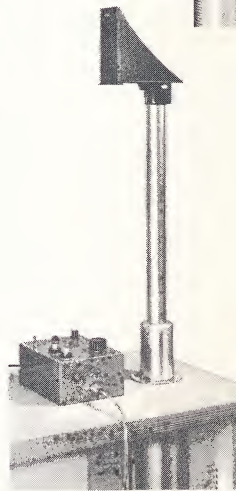
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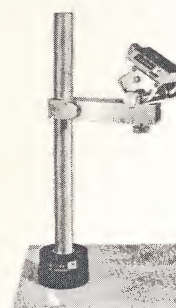
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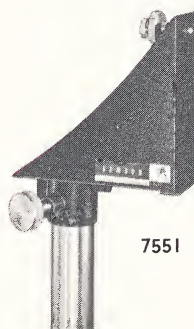
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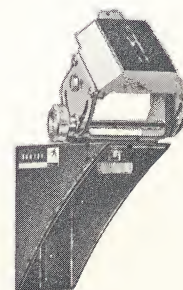
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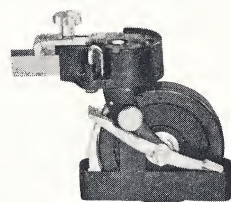
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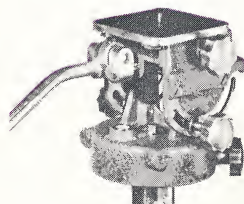
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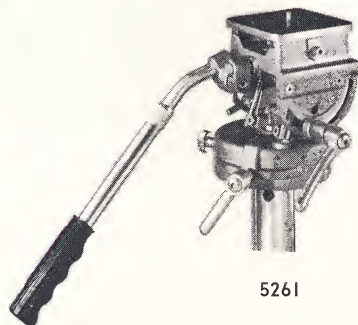
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5645



5202



5261

HERCULES is the work-horse of the Quick-Set line. Weighing less than 20 pounds, it handles loads to 65 pounds. Legs fitted with non-slip footplates attached by ball and socket joint. It is available in two models which are identical, except for size of legs. Available on order without Elevator.

5302 FULL Hercules Tripod with Elevator \$195†
2-sec. legs, 1 3/4" & 1 1/2" dia. Elevator 2" dia. x 18" rise. Height 33" to 73". Telescoped 9 1/2" x 11 1/2" x 41". Weight 19 lb.

5312 3/4 Hercules Tripod with Elevator \$195†
2-sec. legs, 1 1/2" x 1 1/4" dia. Elevator 2" dia. x 18" rise. Height 26" to 58". Telescoped 9 1/2" x 11 1/2" x 31". Weight 17 lb.

NOTE: Add height and weight of head.

5602 FULL Hercules DOLLY \$105†
Sliding clamp fastens tripod foot plate to caster units. Casters can be set for free swivelling or straight line tracking, or locked. Folds to 7" x 13" x 28". Caster 4" x 1". Capacity 500 lb. Height 7". Weight 15 lb.

(This DOLLY also handles 3/4 GIBALTAR and 1/2 GIBALTAR Tripods)

5610 3/4 Hercules DOLLY \$105†
Same as 5602, except shorter arms. Folds to 7" x 13" x 22".

5645 FULL Hercules Heavy-duty DOLLY \$226†
Same as 5602 except that it is equipped with oversize casters, which are provided with adjustable cable guards in addition to brakes and swivel locks. Casters 8" x 1 1/2" Capacity 500 lbs. Height 10" Folds to 11" x 13" x 28" Weight 33 lbs.

PAN HEADS— All have roller-bearing tilt, 45° up, 90° down, and ball-bearing pan 360°. Torsion springs counter-balance camera. 1/4"—20 attachment screw standard; 3/8"—16 available.

5202 Hercules Motion Picture (Friction) Head \$130†
Sliding camera plate centers camera. Handle adjustable for length and angle. Camera plate 4" x 4". Height 6 3/4". Weight 7 lb.

5261 Hercules DUALOK (TV) Head \$165†
Same as 5202, except pan and tilt have independent drag controls and fast lock. Height 6 3/4". Weight 7 lb.

COUNTERBALANCE SPRINGS

Three sizes of springs cover a wide range of loads

Spring No.	Load Range Pounds	Torque Rate lb.in. per degree	Max. Tilt Down Degrees
S 1	15 - 30	2.5	90
S 2	25 - 40	5	60
S 3	35 - 50	8	45

S 1 Spring is standard, and is regularly furnished on all models of Hercules heads.

S 2 and S 3 Springs are available on special order at an extra charge of \$10 per head.

†PRICES HAVE BEEN CHANGED

GIBRALTAR handles loads to 200 pounds and is our largest and strongest equipment. Legs fitted with non-slip foot plates attached by ball and socket joint. There are 3 models, identical except for height. Available on order without Elevator.

6302 FULL Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 20" rise. Height 44" to 92". Telescoped 13" x 16" x 58". Weight 42 lb.

6312 3/4 Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 20" rise. Height 30" to 64". Telescoped 13" x 16" x 46". Weight 38 lb.

6332 1/2 Gibraltar Tripod with Elevator \$380†

2-sec. legs, 2 1/4" & 1 3/4" dia. Elevator 2 3/8" dia. x 13" rise. Height 18" to 39". Telescoped 13" x 16" x 29". Weight 32 lb.

NOTE: Add height and weight of head.

6601 Gibraltar DOLLY \$225†

Sliding clamp fastens tripod foot plate to caster unit. Casters can be set for free swivelling or straight line tracking, or locked. Folds to 12" x 16" x 35 1/2".

Casters 5" x 1 3/8". Capacity 500 lb. Height 9 1/2". Weight 34 lb.

NOTE: 3/4 AND 1/2 GIBRALTAR mount on 5602 FULL HERCULES DOLLY.

6645 FULL Gibraltar Heavy-duty DOLLY \$325†

Same as 6601 except that it is equipped with oversize casters, which are provided with adjustable cable guards in addition to brakes and swivel locks.

Casters 8" x 1 1/2" Capacity 500 lbs. Height 12 1/2"
Folds to 15" x 16" x 36" Weight 60 lbs.

NOTE: 3/4 and 1/2 Gibraltar mount on 5645 Hercules heavy-duty Dolly. \$226

PAN HEADS have roller-bearing tilt, 60° up, 60° down. Ball-bearing pan, 360°. Torsion springs counterbalance load. Bevel-gear driven attachment screw 3/8"—16.

6202 Gibraltar FRICTION Head \$395

Friction locks on pan and tilt. Handle 1" dia. x 19" long adjustable for angle. Mounting plate 8" x 10". Height 8 1/2". Weight 16 lb.

6222 Gibraltar GEARED Head \$435†

Worm-gear drive on pan and tilt. Otherwise same as 6202. Height 8 1/2". Weight 18 lb.

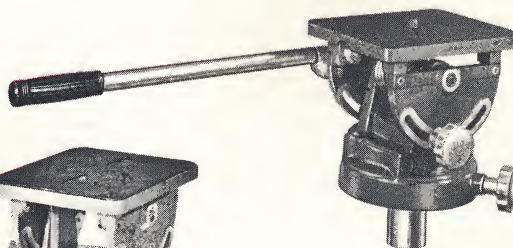
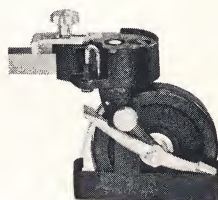
6245 Gibraltar CRADLE Head \$435

For largest and heaviest cameras. Cradle tilts on needle bearing rollers, 30° up, 40° down. Ball-bearing pan 360° Mounting Plate 5" x 8" Adjustable fore and aft 4" Handle 1 1/8" x 24" long, adjustable for length and angle, and reversible.

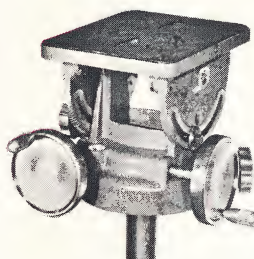
Height 6 1/4" Weight 25 lbs.



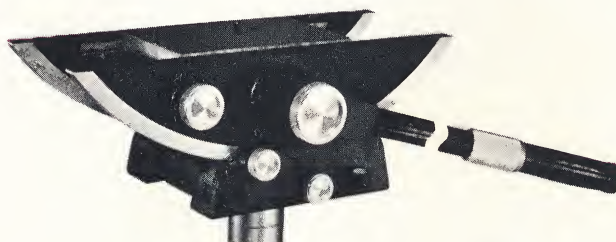
6645



6202



6222



6245

†PRICES HAVE BEEN CHANGED

SAMSON PROFESSIONAL TRIPODS

S

For Studio cameras to 8 x 10, for 16mm motion picture cameras, for closed-circuit TV cameras.

Smooth-working controls, conveniently at hand, position camera quickly, easily, securely. Pan heads are detachable and interchangeable.

Worm gear-driven Elevator column adjusts height precisely, locks securely. Crank folds away for compact carrying.

Rigid structure holds camera motionless, without shift or vibration. Astonishingly light weight—easy to move about the studio. Folds compactly—easy to carry to the outside job.

All units are attractively finished in bright anodized aluminum with black enamel trim

With the Samson Lo-Hi Unit, the pan head can be lowered clear to the floor—or raised to the full height of the tripod, with the camera precisely positioned by means of the Elevator mechanism.

Column extension adds a foot and one-half to height for emergency use. Perfectly secure, quickly installed or removed.

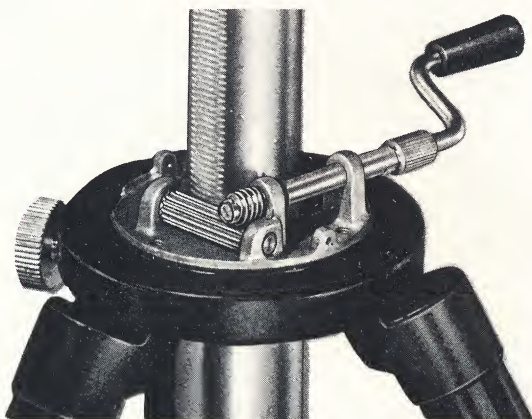
Dolly gives tripod complete mobility. Will go anywhere and carry supplies and equipment as well as camera. Tripods without Elevator mechanism can be furnished, in quantity, on special order.

ELEVATOR MECHANISM

Gives vertical adjustment as required, from a fraction of an inch to full travel, by turning a crank.

The column, a heavy wall tube with rack teeth machined from the solid, is raised and lowered by a pinion which meshes with the rack, and is driven by a crank through a worm-gear reduction. A ring brake holds the column securely at the desired height, and locks it against side shake.

Elevator column is $1\frac{3}{4}$ " dia., rises 18",— $1\frac{1}{32}$ " per turn of crank.



SPECIFICATIONS

SAMSON TRIPOD with ELEVATOR and PAN HEAD

2-section legs — $1\frac{1}{2}$ " and $1\frac{3}{8}$ " diameter.

Elevator column — $1\frac{3}{4}$ " dia., 18" rise.

Height, legs extended and spread 80" max., 38" min.

Maximum height with column extension 98"

Minimum height with Lo-Hi unit 11"

Telescoped dimensions $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x $44\frac{1}{2}$ "

Weight — 12 lbs.

INSTRUMENT- POSITIONING EQUIPMENT

QUICK-SET

INCORPORATED



8121 CENTRAL PARK AVENUE

SKOKIE, ILLINOIS 60078

TELEPHONE (312) 673-1200

SAMSON PAN HEADS

Four Pan Heads are available for the Samson Tripod. They are all interchangeable and all have common design features.

PAN 360° — Head can be rotated completely. Top of Elevator column functions as pan bearing, giving large area for stability and clamping. Loosening safety screw permits lifting off the entire head.

VERTICAL TILT — 135° — from 45° up to 90° down. Multiple contact brake provides adjustable friction or positive lock. Powerful counter-balance springs reduce nosediving and help control heavy cameras.

SIDE TILT — 15° either way from horizontal provides for leveling or deliberate angle shots. Handy knob locks securely. (Side tilt on Still Camera Heads only).

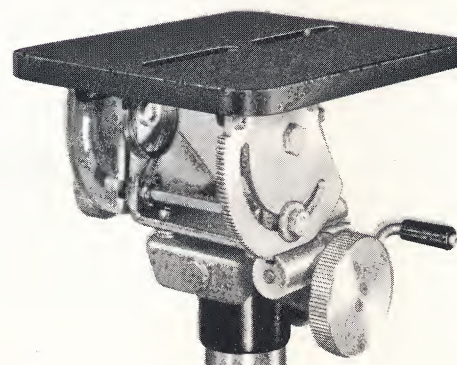
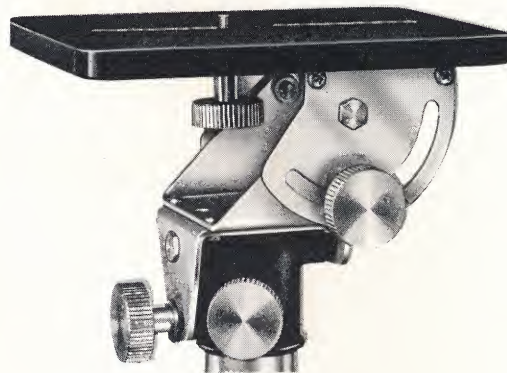
STILL CAMERA FRICTION PAN HEAD — CAT. NO. 7241

Designed for use with studio, view and portrait cameras. Complete maneuverability, conveniently controlled, assists greatly in producing more good pictures in less time.

Large ribbed camera plate supports camera rigidly. Faced with elastic anti-slip material and provided with two long slots for camera screw. Adjustable length camera screw gives maximum gripping with any depth mounting socket. Accommodates any style of camera.

SPECIFICATIONS

Camera Plate — 6½" x 8½" Camera Screw — ¼"-20
Vertical Tilt — 45° up, 90° down Pan — 360°
Side Tilt — 15° right, 15° left
Height — 6" Weight — 2 lbs.



STILL CAMERA GEARED PAN HEAD — CAT. NO. 7251

This head provides positive micro-control of vertical tilt and eliminates the possibility of dumping.

The entire gear drive mechanism is contained in a compact unit on the left side of the Pan Head base. It is conveniently at hand, yet permits full camera movement in all directions without interference. Construction is otherwise identical with Still FRICTION Head, Cat. No. 7241.

SPECIFICATIONS

Camera Plate — 6½" x 8½" Attaching Screw — ¼"-20
Side Tilt — 15° right, 15° left Pan — 360°
Vertical Tilt — 45° up, 90° down Gear Ratio — 1:150
Height — 6¼" Weight — 2½ lbs.

MOVIE FRICTION PAN HEAD — CAT. NO. 7201

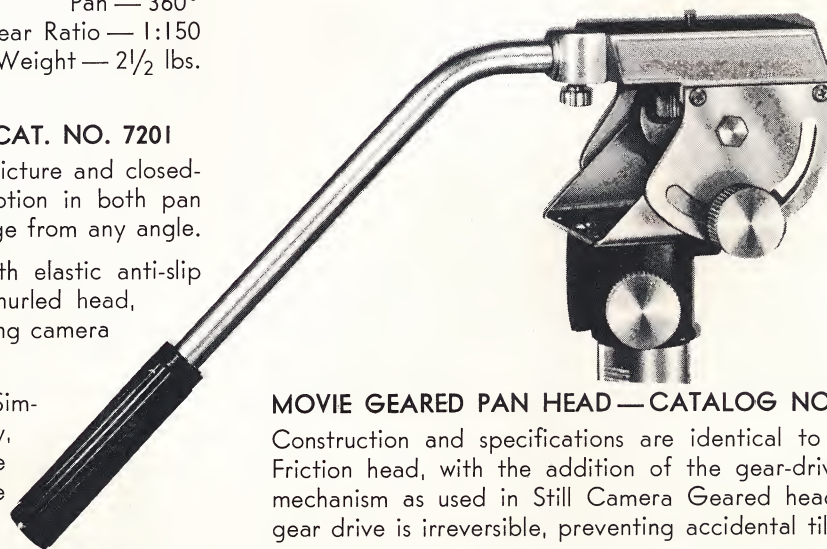
Designed for use with 16mm motion picture and closed-circuit TV cameras. Full range of motion in both pan and tilt gives complete subject coverage from any angle.

Reinforced camera plate is faced with elastic anti-slip material. Camera screw with large knurled head, movable in a long slot, permits centering camera over bearings for easy handling.

Offset handle is adjustable for angle. Simple thumb screw locks handle securely, makes it easy to change handle angle to best suit each shot. Equally suitable for left or right hand operation.

SPECIFICATIONS

Camera Plate — 2¼" x 4¼" Camera Screw — ¼"-20
Tilt — 45° up, 90° down Pan — 360°
Height — 6" Weight — 2 lbs.



MOVIE GEARED PAN HEAD — CATALOG NO. 7261

Construction and specifications are identical to Movie Friction head, with the addition of the gear-driven tilt mechanism as used in Still Camera Geared head. The gear drive is irreversible, preventing accidental tilting.

SPECIFICATIONS

Camera Plate — 2¼" x 4¼" Camera Screw — ¼"-20
Tilt — 45° up, 90° down (Gear Ratio 1:150) Pan — 360°
Height — 6" Weight — 2 lbs.

SAMSON ACCESSORIES



SAMSON LO-HI UNIT — CAT. NO. 7701

The Lo-Hi Unit includes a vertical tube which is attached to the top and bottom of the Elevator column by means of brackets. An extension arm slides on the tube and clamps at any desired point. The arm has a stud on the outer end for attaching the pan head. A similar stud is provided at the center.

In use, the extension arm, with Pan Head and camera attached, is raised or lowered by hand to the approximate height desired and clamped. Operating the Elevator mechanism adjusts the height exactly, and tightening the column brake locks the entire assembly.

SPECIFICATIONS

Minimum height (floor to camera plate) — 11"
 Maximum height (tripod fully extended) — 78"
 Height adjustment of extension arm — 30"
 Additional Elevator rise — 12" Weight — 5 lbs.



SAMSON TRIPOD DOLLY — CAT. NO. 7601

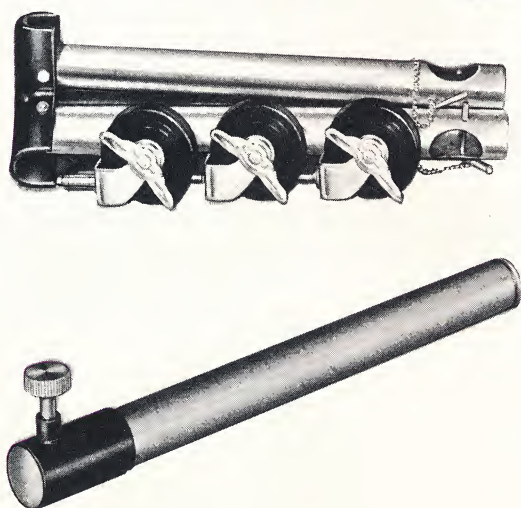
The Samson Dolly provides a mobile, yet rigid, base for the Samson Tripod and attached equipment. Its Y construction permits working in close quarters—it can be passed through a 30" doorway with ease.

Cushion-tire swivel casters are provided with foot operated brakes, which lock the wheels against rotation. Tripod legs fit into recesses in Dolly frame and are fastened by anchor pins passing through frame and legs. These pins act as hinges, permit tripod legs to pivot, and thus to be lengthened or shortened without detaching from the Dolly.

The tubes which form the Dolly frame are hinged to the center unit and fold together to form a compact package for transportation.

SPECIFICATIONS

Diameter of caster circle — 42" Height above floor — 7"
 Casters — 4" diameter x $\frac{3}{4}$ " tread
 Size folded — $6\frac{1}{2}$ " x $7\frac{1}{2}$ " x $21\frac{1}{2}$ "
 Carrying capacity — 50 lbs. Weight — 8 lbs.



COLUMN EXTENSION — CAT. NO. 7801

The Samson Column Extension attaches at the top end of the Elevator column and terminates in a stud for attaching the Pan Head. It adds a foot and one-half to the maximum height of the tripod and will be found extremely valuable for those emergencies where the extra height is a must.

Quickly attached and as easily removed, it can be easily carried with the tripod.

SPECIFICATIONS

Extra height provided — 18"
 Length overall — 22" Weight — 2 lbs.

TRAVELING SAMSON TRIPOD

Here is a full range, full strength professional quality Tripod Kit in the smallest and lightest package. It will handle an 8 x 10 (or 16mm) camera with ease, and hold it securely and conveniently anywhere from down to the floor, to higher than your head.

Designed primarily for location work, it is ideal for the small studio where all equipment must have maximum versatility.

Basically, Traveling Samson is a modified standard Samson, having 3-section legs and a shortened Elevator Column, used in combination with the standard Column Extension and a special Side Arm. It takes any of the Samson Pan Heads, and will mount on No. 7601 Dolly.

SPECIFICATIONS

Traveling Samson Tripod with Elevator and Pan Head
 3-section legs — $1\frac{1}{2}$ ", $1\frac{3}{8}$ " and $1\frac{1}{4}$ " dia.
 Elevator Column — $1\frac{3}{4}$ " dia., $13\frac{1}{4}$ " rise
 Maximum height — $60\frac{1}{2}$ " With Column Extension — 80"
 Minimum height — 27" With Extension & Side Arm — 9"
 Telescoped dimensions — $6\frac{1}{2}$ " x $8\frac{1}{2}$ " x 24" Wt. — $10\frac{1}{2}$ lbs.

CARRYING CASE — CAT. NO. 8511

The case holds Traveling Samson Tripod with any Samson Pan Head, Column Extension and Side Arm. Nests and clips hold each part securely, and there is room to spare for miscellaneous small items of equipment

Case is made of black vulcanized fibre, riveted, and reinforced on corners and edges. It is fitted with two draw locks and a comfortable handle.

SPECIFICATIONS

8" wide x 25" long x 10" deep Weight — 6 lbs.

SIDE ARM — CAT. NO. 8501

For low, low camera positions, the Side Arm and Column Extension are attached to the lower end of the Elevator Column, and the Pan Head is mounted on the stud on the outer end of the Arm.

A quick-lock clamp positions the arm approximately on the Extension, and operating the Elevator mechanism adjusts the height precisely as required. At the lowest point the camera plate is only 9" above the floor.

SPECIFICATIONS

Offset — $10\frac{1}{4}$ " Weight — $13\frac{3}{4}$ lbs.

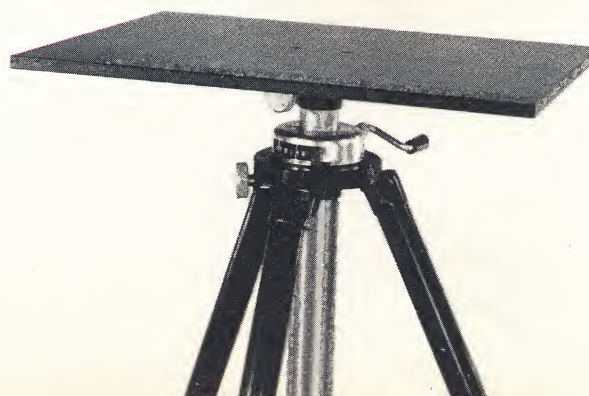
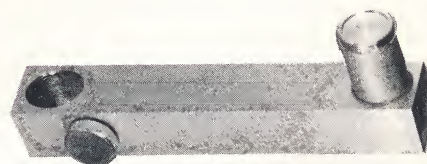
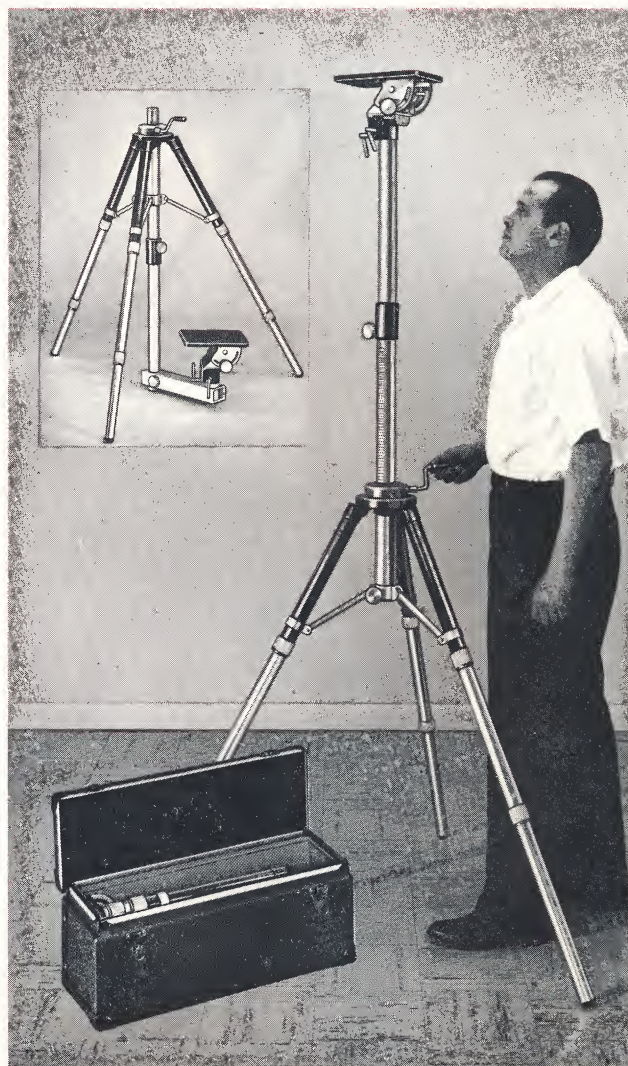
SAMSON TABLE TOP — CAT. NO. 7521

Mounted on the Samson Tripod, the table top makes a superior stand for motion picture and slide projectors, or instruments requiring temporary positioning.

The table is made of high-density resin-bonded hard board, and being rigidly attached to a socket which fits over the Elevator column of the Samson Tripod, it is not subject to accidental tipping. The socket carries a lock screw which prevents unintentional removal, and a brake screw which locks the table against rotation.

SPECIFICATIONS

Size — 16 " x 22 " x $\frac{1}{2}$ " thick Weight — $9\frac{1}{2}$ lbs.





8121 CENTRAL PARK AVENUE

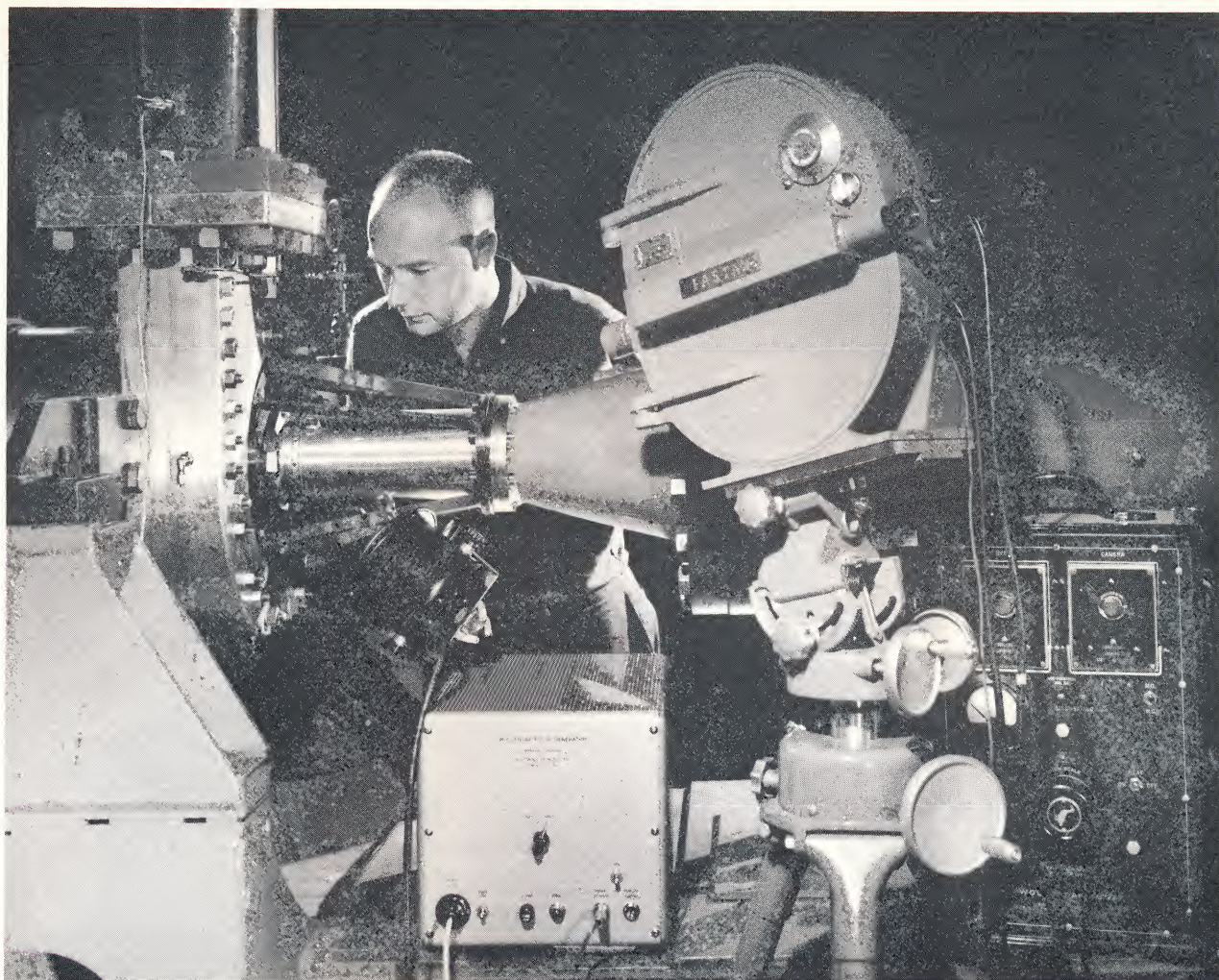
SKOKIE, ILLINOIS 60078

TELEPHONE (312) 673-1200

NEW PRICE SCHEDULE EFFECTIVE
OCTOBER 1, 1965

Please disregard prices as shown in our Hercules brochure dated March 1, 1964. Prices have been changed effective October 1, 1965. New price schedule is as follows:

#5202	Hercules Friction Head	\$130.00
#5221	Hercules Geared Head	175.00
#5241	Hercules Still Head	140.00
#5261	Hercules Dualok (TV) Head	165.00
#5302	Full Hercules Tripod and Elevator	195.00
#5312	3/4 Hercules Tripod and Elevator	195.00
#5503	Cine-Kodak Special Adapter	15.00
#5511	Hercules Spike Tip	15.00
#5531	Hercules Hi-Hat	25.00
#5541	Adapter for O'Connor and Pro Jr. Mount	45.00
#5551	Adapter for PT-125S and 155S	28.00
#5561	Adapter for PT-500	35.00
#5571	Adapter for PT-1000	45.00
#5581	Hercules Column Extension	25.00
#5591	Adapter for Miller and Thomas Mount	33.00
#5602	Full Hercules Dolly	105.00
#5610	3/4 Hercules Dolly	105.00
#5701	Hercules Lo-Hi Unit	90.00
	Cable Guards	15.00



NASA photographer at Lewis Research Center using FASTAX camera mounted on special HERCULES tripod for high-speed split-frame sequence.

HERCULES HEAVY DUTY EQUIPMENT offers a new approach to the problem of positioning large and heavy equipment, quickly, easily and securely.

ELEVATOR COLUMN WITH WORM-GEAR DRIVE provides rapid and precise height adjustment by simply turning a hand wheel.

FOUR STYLES OF PAN HEADS handle a wide variety of instrument types.

ADAPTERS HANDLE OTHER MOUNTS including Remote Control and Fluid heads.

STRUT-BRACED TELESCOPIC STRUCTURE affords wide range of height and spread with maximum rigidity and minimum effort.

DOLLIES GIVE TRIPODS MOBILITY—equipment is easily wheeled to working location.

ACCESSORIES INCREASE VERSATILITY, assist in meeting special problems.

INSTRUMENT- POSITIONING EQUIPMENT

QUICK-SET

INCORPORATED



CONSTRUCTION

To achieve maximum strength and rigidity with minimum weight, Quick-Set equipment is made principally of aluminum. Wrought alloys in the form of bars, tube, shapes, sheet and plate are used, together with sand- and die-castings. Fastenings are steel, to AN standards, and steel is used for some miscellaneous shafts, gears, keys etc.

Processing of parts is accomplished on modern equipment with tolerances held generally to aircraft standards. Structures are individually assembled and tested 100% functionally before packing. Each unit is individually numbered and recorded to insure correct parts servicing when required.

LEG SECTIONS slide in nylon bushings for smooth operation and minimum wear. A nylon-bushed brake ring, screw actuated, locks leg sections at any extension.

STRUT COLLAR slides in nylon bushings on the central strut tube, and locks to hold legs at any desired spread.

4" CIRCULAR FOOT PLATES, faced with pyramid rubber, are attached by ball-and-socket joints and are self-levelling. Plates will not slip on smooth surfaces, nor sink into earth or sand.

ELEVATOR MECHANISM

In every application where precise positioning is required, the Elevator is of great value and convenience. Vertical adjustment as required, from a fraction of an inch to full capacity, is obtained by turning a hand wheel.

The Column, a heavy-wall tube with rack teeth machined from the solid, is raised and lowered by a steel pinion which meshes with the rack. The pinion is driven by a hand wheel through a steel-to-bronze worm-gear reduction. Ball-bearings carry the thrust load on the worm to insure easy operation.

The Column is guided by an anti-friction bushing in the upper end of the elevator body, and the lower end of the Column carries an anti-friction bushing which bears on the inside of the Strut Tube. A brake holds the Column securely at the desired height, and locks it against side shake, to make it a rigid extension of the tripod.

QUICK-LOCK CONNECTOR

The Elevator column terminates in a socket with a precision bore. A steel insert has a conical recess in one wall, with a hole in the wall opposite.

Pan heads and accessories have a flanged stud with a transverse threaded hole in which is carried a cone-point set screw.

When the set screw is advanced, (hex wrench passes through holes in column and stud) the point of the set screw entering the recess in the socket takes up all clearance in the bore, and pulls the flange on the stud tight against the face of the socket.

DRAW BOLT Q/D CONNECTOR

A special instrument mounting plate carries a central chamfered stud with internal threaded hole, and a radially spaced locating stud. The tripod (or Elevator column) has a mating central recess and a hole to receive the locating stud. A long 1"—8 bolt passes through the strut tube (or Elevator column) and secures the mounting plate quickly and rigidly.

ENVIRONMENT

TEMPERATURE — +185°F to -40°F

All materials used remain operational beyond the above temperature range. Lubricants, where used, conform to specification MIL-G-10924.

HUMIDITY — 0% to 100% Relative Humidity

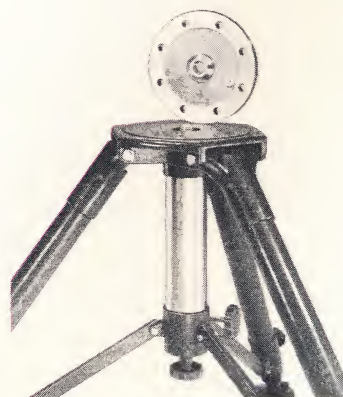
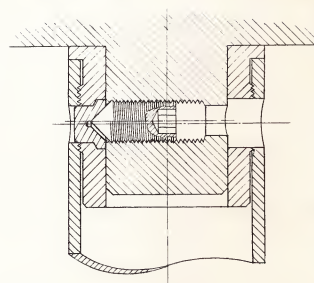
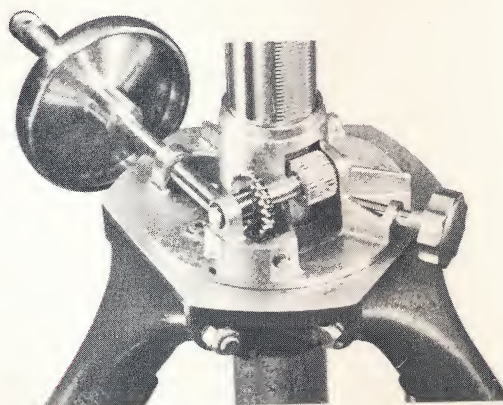
All materials used are practically non-hygroscopic.

CORROSION

All bright aluminum parts are anodized to specification MIL-A-8625 type 2, and wax sealed. Coated aluminum parts are anodized as above, then finished with two coats of baked enamel. Fastenings and ferrous parts are cadmium plated.

DUST

All working parts are enclosed in such a manner as to minimize entry of dust or dirt.



HERCULES TRIPODS

H



RATED LOADS FOR STANDARD HERCULES EQUIPMENT

Tripod only, without Elevator	200 lb. max.
Tripod with Elevator	75 lb. max.
(Tripods can be supplied on order with special Elevator mechanism to handle 125 lb. max.)	
Pan Heads	50 lb. max.
(See Page 4 for detailed information on pan head loads).	

HERCULES TRIPODS ARE AVAILABLE IN TWO SIZES which are identical except for the diameter and length of the leg sections.

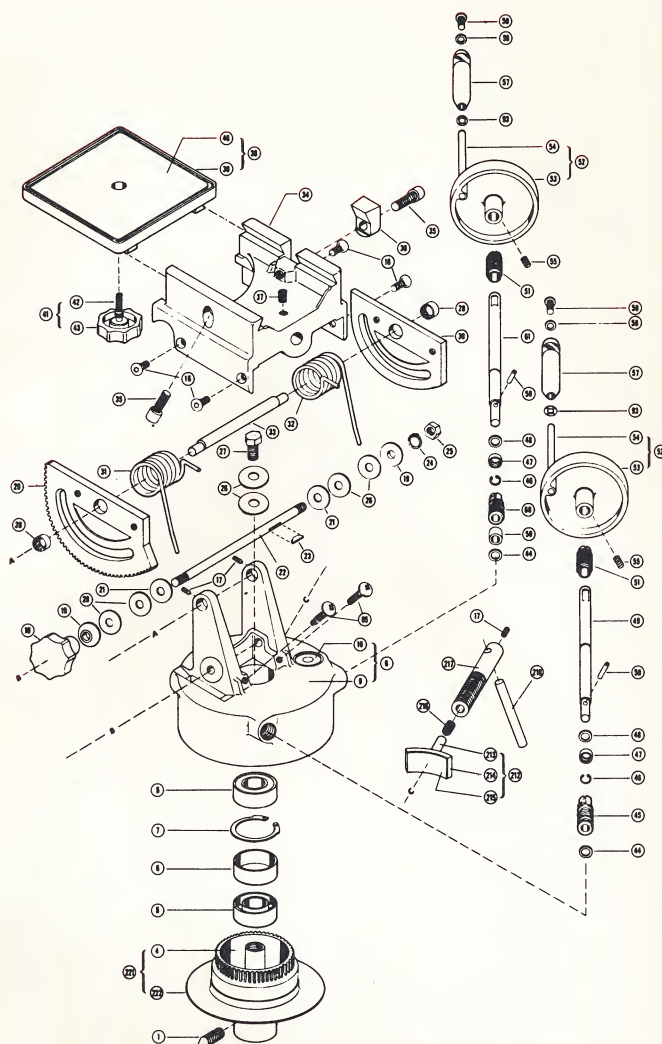
NOTE: For data on tripod and Elevator complete with pan head, add height, weight and price of pan head.

5302 FULL Hercules Tripod with Elevator **\$185**

2-section legs, 1 3/4" & 1 1/2" dia. Elevator 2" dia.—18" rise
 Max. height, legs extended & spread, Elevator up 73"
 Min. height, legs telescoped & spread, Elevator down 33"
 Max. spread, legs extended 75" dia. circle
 Max. spread, legs telescoped 45" dia. circle
 Telescoped size 9 1/2" x 11 1/2" x 41" Weight 19 lbs.

5312 3/4 Hercules Tripod with Elevator **\$185**

2-section legs, 1 1/2" & 1 1/4" dia. Elevator 2" dia.—18" rise
 Max. height, legs extended & spread, Elevator up 58"
 Min. height, legs telescoped & spread, Elevator down 26"
 Max. spread, legs extended 51" dia. circle
 Max. spread, legs telescoped 33 1/2" dia. circle
 Telescoped size 9 1/2" x 11 1/2" x 31" Weight 17 lbs.



FOUR INTERCHANGEABLE PAN HEADS

offer a choice of controls and mounting means. Basic design features common to all include:

QUICK LOCK CONNECTOR

is standard. Stud is 1.245" dia. x 1 1/2" long. Pro Jr. type stud available on special order.

PAN 360°

Head can be rotated continuously. It is supported on two axially-spaced ball bearings (5,5) mounted on a large steel shaft (4). Pre-load on bearings eliminates shake, yet retains freedom of motion — heavy loads move at a finger touch. Screw operated spring-loaded brake (212) bears on a large diameter brake drum to provide adjustable drag, or positive lock.

VERTICAL TILT 135° — 45° up, 90° down.

The head tilts on two widely spaced roller bearings (28,28). Multiple contact brake (18,25) acting on side plates provides adjustable drag, or positive lock.

Torsion springs (31,32) resist tilting in either direction, compensate for torque of load, and prevent nose diving. Three sizes of springs cover a wide range of loads (see details under heading COUNTERBALANCE SPRINGS).

LATERAL TILT 20°

Camera plate tilts left or right for levelling, or for angle shots. (Lateral tilt on Still Camera Head only).

LEVELLING

Circular bubble level (13) is mounted in pan head body precisely aligned with vertical axis.

COUNTERBALANCE SPRINGS

Spring No.	Load Range Pounds	Torque Rate lb.in. per degree	Max. Tilt Down Degrees
S 1	15 - 30	2.5	90
S 2	25 - 40	5	60
S 3	35 - 50	8	45

(Springs are neutral at 0° tilt. In calculating torque of load, note that mounting plate is 2 1/2" above tilt axis.) Selection of spring is influenced by required range of tilt, height of center of gravity of load, operator preference, etc. Consult Quick-Set Engineering Dept. when in doubt.

S 1 Spring is standard, and is regularly furnished on all models of Hercules heads.

S 2 and S 3 Springs are available on special order at an extra charge of \$10 per head.

5261 Hercules DUALOK (TV) Head \$155

Designed for use with TV and motion picture cameras. Both pan and tilt have two separate and independent controls: 1—a knob-operated drag, finely adjustable over a wide range, and 2—a lever-operated fast acting lock which tightens or loosens with a fraction of a turn. (Lever is adjustable to lock in any position).

Mounting plate is faced with elastic anti-slip material and is movable forward and backward $3\frac{1}{2}$ " to aid in balancing camera. Plate slides in dove-tail ways with positive stops and has a clamp to lock plate in intermediate positions.

Control handle is universally adjustable for angle and length, and can be used for right-hand or left-hand control. Handle is $\frac{3}{4}$ "/ $\frac{5}{8}$ " dia., 13"—23" long.

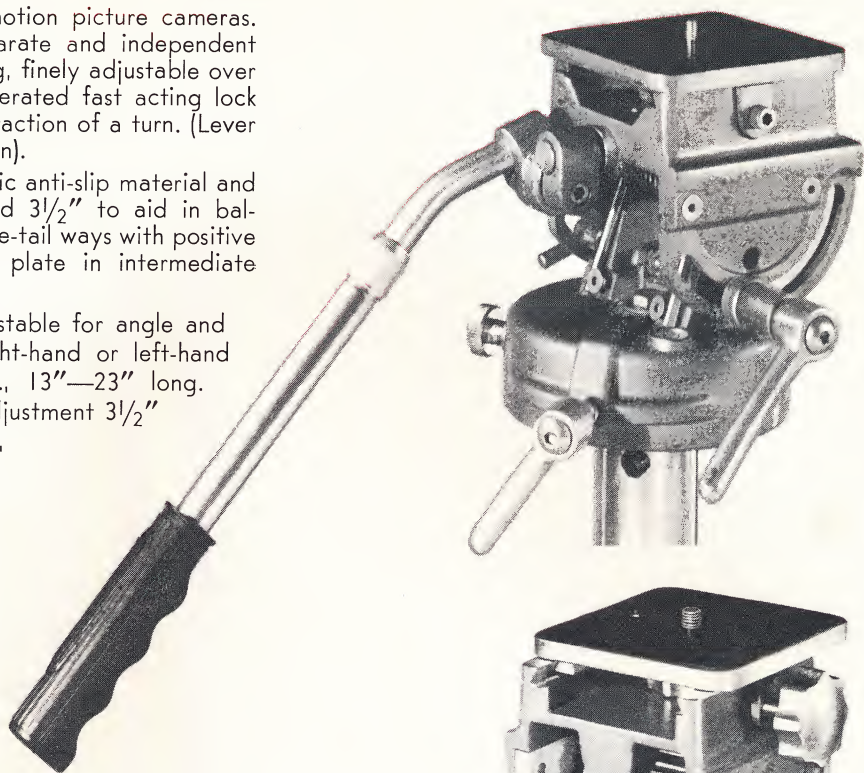
Mounting plate 4" x 4" Plate adjustment $3\frac{1}{2}$ "

Camera screw $\frac{1}{4}$ "—20 standard,

$\frac{3}{8}$ "—16 available Pan 360°

Vertical tilt 45° up, 90° down

Height $6\frac{3}{4}$ " Weight 7 lbs.

**5202 Hercules Motion Picture FRICTION Head \$120**

Suitable for motion picture and TV cameras. This head is identical to 5261 DUALOK Head, except that pan and tilt movements are each controlled by a single combination drag and lock.

Specifications are identical to those for 5261 DUALOK Head.

5221 Hercules GEARED Head \$165

For use with cameras and instruments where uniform or precise movement is required, or where it is desirable to maintain position without the necessity of locking. This head is identical to 5202 Hercules FRICTION Head, except that panning and tilting are operated by worm-gear drives, and the control handle has been eliminated.

Pan and tilt are operated by hand wheels with shafts placed at right angles so that both can be operated simultaneously. The wheels can be spun for rapid motion, or "inched" for small adjustments. Worm gearing is irreversible, and in addition, positive locks are provided on both pan and tilt to guard against accidental movement.

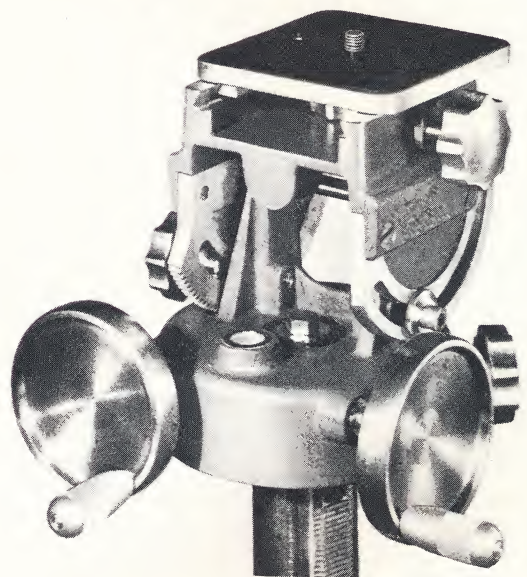
Camera plate 4" x 4" Plate adjustment $3\frac{1}{2}$ "

Camera screw $\frac{1}{4}$ "—20 standard, $\frac{3}{8}$ "—16 available

Vertical tilt 45° up, 90° down Pan 360°

Tilt gear ratio 1:129 Pan gear ratio 1:96

Height $6\frac{3}{4}$ " Weight 7 lbs.

**5241 Hercules STILL CAMERA Head \$130**

For use with studio, view and portrait cameras. Large ribbed camera plate faced with elastic anti-slip material provides secure support for camera. Plate has a slot for camera screw to permit placement of camera as desired.

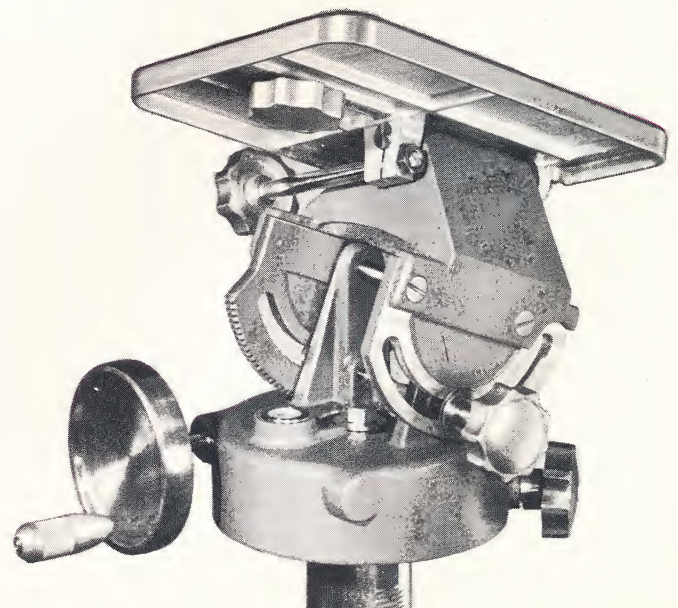
Camera plate tilts laterally 20° either way from horizontal and is locked by an easily accessible knob. Vertical tilt is operated by a hand wheel through a worm-gear drive. The wheel can be spun for rapid movement, or "inched" for small adjustments. Brakes lock pan and vertical tilt motions securely.

Camera plate $6\frac{1}{2}$ " x $8\frac{1}{2}$ " Lateral tilt 20° right & left

Camera screw $\frac{1}{4}$ "—20 standard, $\frac{3}{8}$ "—16 available

Vertical tilt 45° up, 90° down Tilt gear ratio 1:129

Pan 360° Height $7\frac{1}{2}$ " Weight 7 lbs.



5701 Hercules LO-HI Unit**\$85**

Using the Lo-Hi unit, the pan head can be set right down to the floor—or raised to over 7 feet, with the height adjusted precisely by the Elevator mechanism. With the Lo-Hi unit installed, the tripod can be telescoped, or it can be mounted on a dolly.

The unit includes a vertical tube which is attached to the top of the Elevator column and supported at the bottom by a brace attached to the strut tube. The pan head is transferred from the Elevator column to a side arm which clamps at any point on the vertical tube.

The entire assembly of pan head, extension arm and vertical tube raises and lowers with the Elevator column and locks rigidly by locking the column brake and clamping the lower brace on the vertical tube.

HERCULES TRIPOD DOLLY

Most useful for local movement about the studio, or for transportation of equipment for substantial distances. Y construction permits working in extremely close quarters, and it can be maneuvered through a doorway as narrow as 30 inches.

The dolly rolls on heavy-duty ball bearing swivel casters. Neoprene tires protect finished surfaces.

Each caster has 3-way swivel control — 1, free swivelling — 2, locked for two-track straight-line travel — and 3, locked for three-track straight-line travel. A foot operated brake locks wheel and swivel simultaneously.

The foot plate of the Hercules Tripod fits into a recess in the caster unit and is held in place by a sliding clamp, making for rapid mounting and dismounting. The ball and socket connection between the foot plate and the leg permits adjusting the length of the legs without changing the attachment.

Arms are pivoted at the center so the dolly can be folded for compact storage or transportation.

5602 FULL Hercules DOLLY**\$100**

Caster 4" x 1" Capacity 500 lbs. Height 7"
Dia. of caster circle 45" Weight 15 lbs.
Folds to 7" x 13" x 28"

(Note: This dolly also mounts $\frac{3}{4}$ Gibraltar Tripod)

5610 $\frac{3}{4}$ Hercules DOLLY**\$100**

Casters 4" x 1" Capacity 500 lbs. Height 7"
Dia. of caster circle 33 $\frac{1}{2}$ " Weight 14 lbs.
Folds to 7" x 13" x 22"

CABLE GUARDS

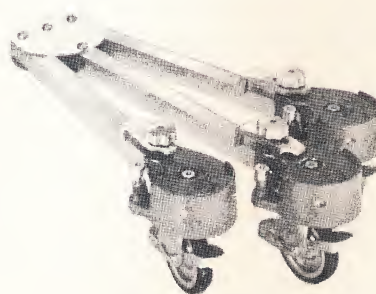
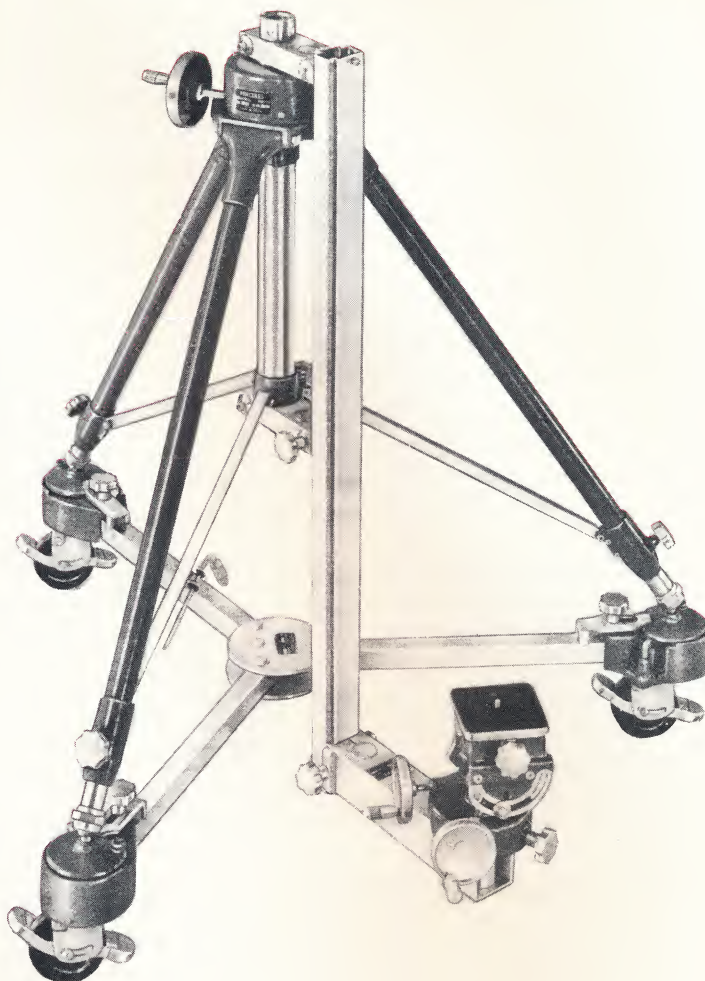
Either model of Hercules Dolly can be equipped with cable guards on special order. Metal shrouds, permanently attached to casters, clear the floor by $\frac{3}{16}$ " and push cables and wires out of the path of the wheels. Caster brakes must be removed when installing cable guards, but swivel locks remain effective.

Hercules Dolly CABLE GUARDS**Extra \$15****COLUMN EXTENSION**

To obtain extra height with light loads, column extensions may be added. The extension is a tube the same size as the column, with a Quick-Lock stud on the lower end, and a Quick-Lock socket on the upper end. No rack teeth are provided — all Elevator movement is provided by the tripod column.

5581 Hercules COLUMN EXTENSION**\$25**

Dia. 2" Length 18"
Other lengths available on special order.



5701 Hercules LO-HI Unit**\$85**

Using the Lo-Hi unit, the pan head can be set right down to the floor—or raised to over 7 feet, with the height adjusted precisely by the Elevator mechanism. With the Lo-Hi unit installed, the tripod can be telescoped, or it can be mounted on a dolly.

The unit includes a vertical tube which is attached to the top of the Elevator column and supported at the bottom by a brace attached to the strut tube. The pan head is transferred from the Elevator column to a side arm which clamps at any point on the vertical tube.

The entire assembly of pan head, extension arm and vertical tube raises and lowers with the Elevator column and locks rigidly by locking the column brake and clamping the lower brace on the vertical tube.

HERCULES TRIPOD DOLLY

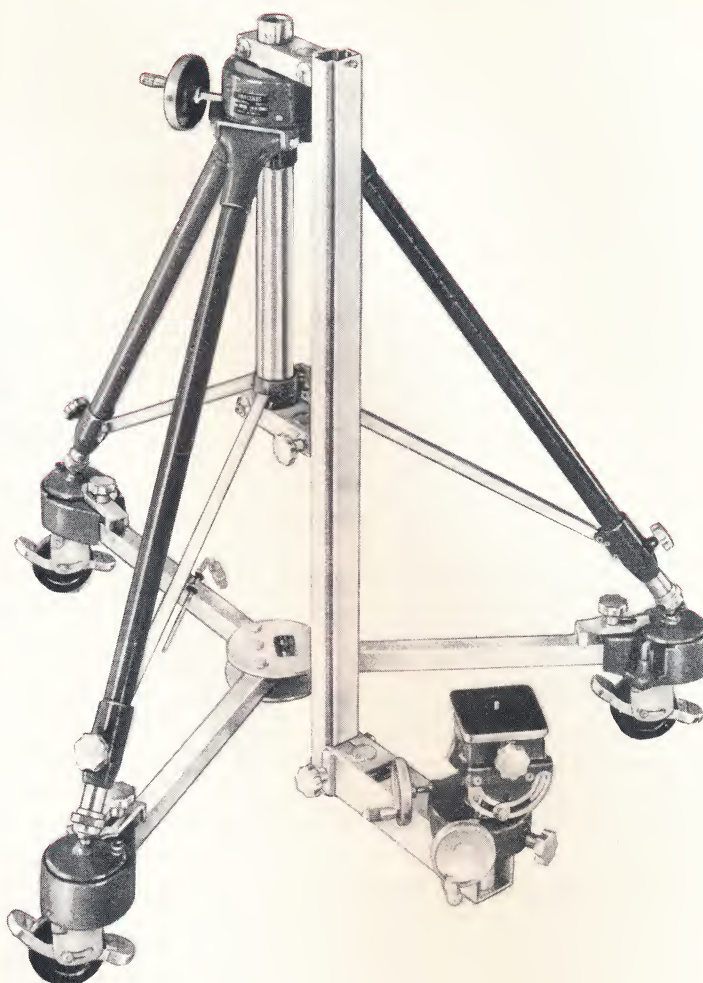
Most useful for local movement about the studio, or for transportation of equipment for substantial distances. Y construction permits working in extremely close quarters, and it can be maneuvered through a doorway as narrow as 30 inches.

The dolly rolls on heavy-duty ball bearing swivel casters. Neoprene tires protect finished surfaces.

Each caster has 3-way swivel control — 1, free swivelling — 2, locked for two-track straight-line travel — and 3, locked for three-track straight-line travel. A foot operated brake locks wheel and swivel simultaneously.

The foot plate of the Hercules Tripod fits into a recess in the caster unit and is held in place by a sliding clamp, making for rapid mounting and dismounting. The ball and socket connection between the foot plate and the leg permits adjusting the length of the legs without changing the attachment.

Arms are pivoted at the center so the dolly can be folded for compact storage or transportation.

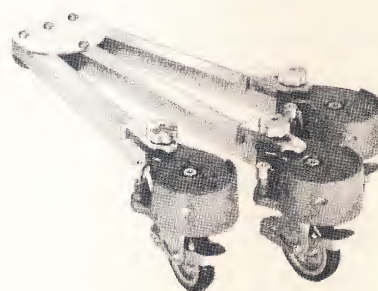
**5602 FULL Hercules DOLLY****\$100**

Caster 4" x 1" Capacity 500 lbs. Height 7"
Dia. of caster circle 45" Weight 15 lbs.
Folds to 7" x 13" x 28"

(Note: This dolly also mounts $\frac{3}{4}$ Gibraltar Tripod)

5610 $\frac{3}{4}$ Hercules DOLLY**\$100**

Casters 4" x 1" Capacity 500 lbs. Height 7"
Dia. of caster circle 33 $\frac{1}{2}$ " Weight 14 lbs.
Folds to 7" x 13" x 22"

**CABLE GUARDS**

Either model of Hercules Dolly can be equipped with cable guards on special order. Metal shrouds, permanently attached to casters, clear the floor by $\frac{3}{16}$ " and push cables and wires out of the path of the wheels. Caster brakes must be removed when installing cable guards, but swivel locks remain effective.

Hercules Dolly CABLE GUARDS**Extra \$15****COLUMN EXTENSION**

To obtain extra height with light loads, column extensions may be added. The extension is a tube the same size as the column, with a Quick-Lock stud on the lower end, and a Quick-Lock socket on the upper end. No rack teeth are provided — all Elevator movement is provided by the tripod column.

**5581 Hercules COLUMN EXTENSION****\$25**

Dia. 2" Length 18"
Other lengths available on special order.

5531 Hercules HI-HAT

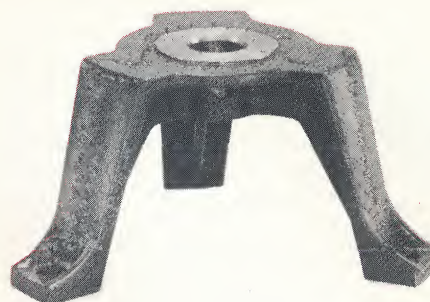
\$25

Mounts any Hercules Pan Head in a semi-permanent location. A suitable pan head installed on a Hi-Hat mounted on a work bench provides a convenient means for holding and positioning instruments for adjustment or repair.

Height $4\frac{3}{4}$ "

Weight $2\frac{5}{8}$ lbs.

3 holes for $\frac{5}{16}$ " bolts, spaced 120° on $9\frac{1}{2}$ " dia. circle.

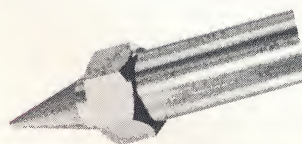


5531

5511 Hercules SPIKE TIP

(set of 3) \$15

Spike tip screws on outside of lower leg. Unscrewing the retaining nut at bottom end of leg removes the entire foot plate assembly. Standard tips are made of anodized aluminum. Other materials available on special order.



5511

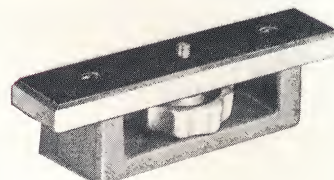
5503 Cine-Kodak Special ADAPTER

\$15

Mounts Cine-Kodak Special I or II on any Pan Head and permits changing magazine without dismounting.

6" long x $1\frac{3}{8}$ " wide x $1\frac{9}{16}$ " high

Weight $\frac{3}{4}$ lb.



5503

CALIBRATED PAN HEADS

All models of Hercules Pan Heads can be supplied on special order with calibrated altitude and/or azimuth scales. Standard scales are graduated in degrees and numbered every 10 degrees, and may be had with plain index or with vernier index reading to $15'$. Scales are engraved, with white graduations on a black background.

The azimuth scale is adjustable to zero at any point; the altitude scale is set to zero when top plate is level. Special graduations and/or verniers are available on special order.

EXTRA CHARGE (Add to price of Pan Head)

Standard graduations—plain index

Altitude—plus 90° , minus 45°

\$50

Azimuth— 360°

\$220

Vernier index reading to $15'$

Altitude \$50

Azimuth \$35

OTHER MAKE PAN HEADS

Adapters are available for Miller, O'Connor, Thomas and Pro Jr. Heads, and other heads with similar mounts, to attach to Hercules Elevator Column.

5541 Hercules ADAPTER for O'Connor and Pro Jr. Mount

\$40

5591 Hercules ADAPTER for Miller and Thomas Mount

\$30

Hercules Tripods can be supplied on special order complete with Miller & O'Connor Fluid Heads. Also adapters to attach these heads to Hercules Tripod without Elevator are available on special order. Prices quoted on request.

REMOTE CONTROL PAN HEADS

Adapters to mount PELCO remote control heads on Hercules Elevator Column are available:

5551 Hercules ADAPTER for PT-125S & 155S

\$25

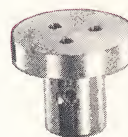
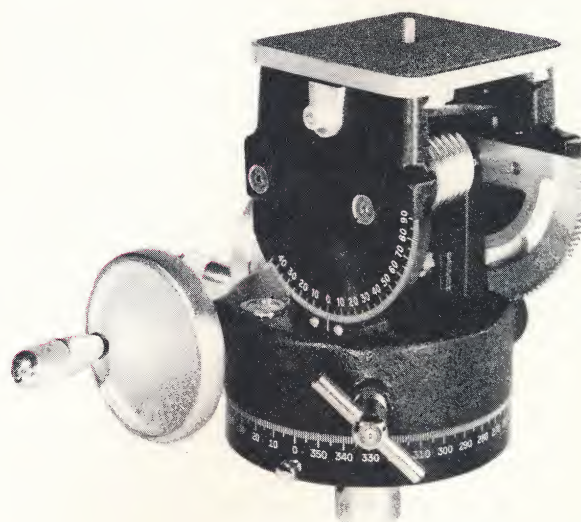
5561 Hercules ADAPTER for PT-500

\$32

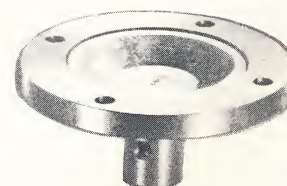
5571 Hercules ADAPTER for PT-1000

\$40

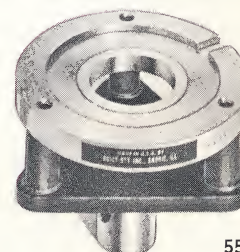
Hercules Tripods can be supplied on special order complete with PELCO Heads. Also adapters to mount PELCO Heads on Hercules Tripods without Elevator are available on special order. Prices quoted on request.



5551



5561



5541

Quick-Set will modify standard equipment, or build special equipment, in quantity, to meet customer's requirements.

Quick-Set equipment is designed to permit easy modification at relatively low cost. For example:

FINISH

Parts can be finished to match customer's equipment, or to any specification commercially available.

LEGS

Legs can be made longer or shorter, with more or less sections, of special material, and supplied with special fittings. Standard leg elements are available in sizes from $\frac{1}{2}$ " O.D. to $2\frac{1}{4}$ " O.D.

Quick-Set will build to customer's own design, or will develop special designs to meet customer's specifications.

ELEVATORS

Columns can be made longer or shorter, larger or smaller, etc. Drive mechanism can be modified to change gear ratio up or down. Standard Elevator elements are available in sizes from $\frac{7}{8}$ " O.D. to $2\frac{3}{8}$ " O.D.

MOUNTINGS

Pan and tilt heads can be furnished with any combination of friction or geared control. They can be furnished with special top plates to suit customer's apparatus and can be supplied with additional movements such as fore-and-aft movement of top plate, side tilt of top plate, either friction or gear controlled.

OTHER QUICK-SET PRODUCTS

TELESCOPING TUBULAR ASSEMBLIES

for Arms — Masts — Legs

Aluminum — Brass — Steel — Any finish

Standard collet-type joints from $\frac{1}{2}$ " O.D. to $1\frac{1}{2}$ " O.D. x $\frac{1}{8}$ " steps. Standard screw—lock joints from $1\frac{1}{4}$ " O.D. to $2\frac{1}{4}$ " O.D. x $\frac{1}{4}$ " steps. Special designs to customer's or military specifications.



LONG HANDLE FOR MILITARY MINE DETECTOR
5 Sections $1\frac{1}{8}$ "— $\frac{5}{8}$ " dia. Length $18\frac{1}{2}$ " min., 57" max.

QUICK-SET GIBRALTAR EQUIPMENT

Designed for heaviest equipment, Gibraltar is rated at 200 lb. for pan head, 500 lb. for tripod only. 3 Tripods, 3 Pan Heads (include Cradle Head), Dolly and accessories meet a wide variety of requirements. Complete details in Gibraltar Catalog.

QUICK-SET SAMSON EQUIPMENT

Rated at 25 lb. for pan head, 50 lb. for tripod only, the Samson line offers lighter construction and lower prices. 2 Tripods, 4 Pan Heads, Dolly, Lo-Hi unit and accessories accommodate a wide range of instrument requirements. Complete details in Samson Catalog.

QUICK-SET CONSOLES & PEDESTALS

Column units for mounting on desk, bench, console, etc. — manual or power operation — with bracket, arm, pan head. Available separately, or complete with console.

Pedestals for floor mounting — manual or power operation, with Hercules or Gibraltar column units and accessories. Complete details in Console Catalog.





8121 CENTRAL PARK AVENUE

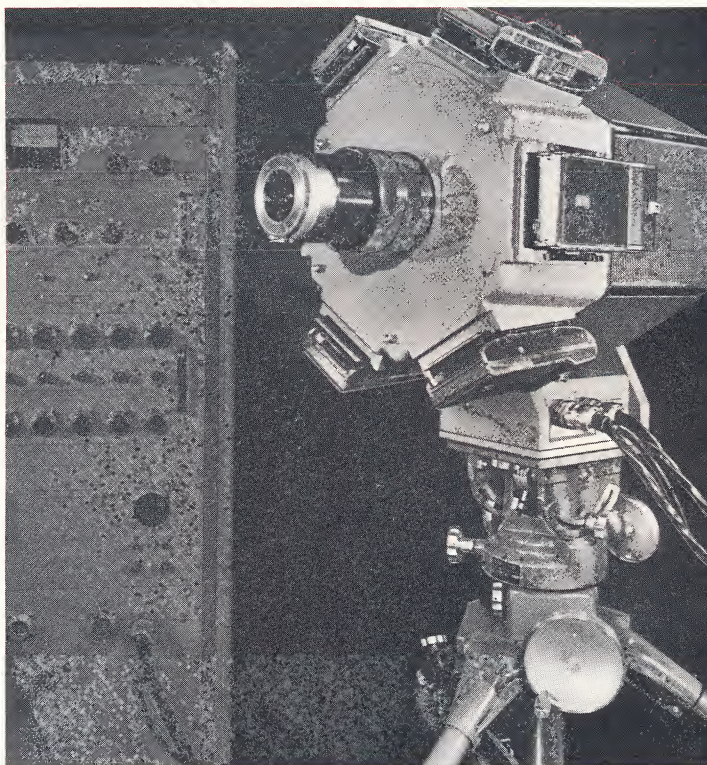
SKOKIE, ILLINOIS 60078

TELEPHONE (312) 673-1200

NEW PRICE SCHEDULE EFFECTIVE
OCTOBER 1, 1965

Please disregard prices as shown in our Gibraltar brochure dated December 1, 1964. Prices have been changed effective October 1, 1965. New price schedule is as follows:

#6010	Full Gibraltar Tripod without Elevator	\$265.00
#6030	3/4 Gibraltar Tripod without Elevator	265.00
#6040	1/2 Gibraltar Tripod without Elevator	265.00
#6202	Gibraltar Friction Head	395.00
#6222	Gibraltar Geared Head	435.00
#6245	Gibraltar Cradle Head	435.00
#6302	Full Gibraltar Tripod with Elevator	380.00
#6312	3/4 Gibraltar Tripod with Elevator	380.00
#6322	1/2 Gibraltar Tripod with Elevator	380.00
#6501	Gibraltar Tripod Adapter	25.00
#6511	Gibraltar Spike Tip	20.00
#6531	Gibraltar Hi-Hat	25.00
#6541	Adapter for Pro Jr. Mount	45.00
#6561	Adapter for Pelco PT-500	35.00
#6571	Adapter for Pelco PT-1000	45.00
#6581	Adapter for Mitchell Mount	70.00
#6591	Adapter for Theodolite, Level, etc.	45.00
#6601	Full Gibraltar Dolly	225.00
#6645	Gibraltar Heavy Duty Dolly	325.00
#6800	Gibraltar Pedestal	310.00
#6900	Elevator Column Unit	245.00
#5602	Full Hercules Dolly	105.00
#5645	Hercules Heavy Duty Dolly	226.00
	Cable Guards	15.00



175 POUND
KERR CELL FRAMING CAMERA
MADE BY
ELECTRO OPTICAL INSTRUMENTS
MOUNTED ON
SPECIAL GIBRALTAR TRIPOD

GIBRALTAR HANDLES LOADS TO 500 LBS.
Heights from 15" to 100" with three Tripods.
Friction, Geared and Cradle Heads for any instrument.
Standard and heavy-duty Dollies provide mobility.
Adapters mount other make Remote Control & Fluid Heads.

ENVIRONMENT

TEMPERATURE — $+185^{\circ}\text{F}$ to -40°F

All materials used remain operational beyond the above temperature range. Lubricants, where used, conform to specification MIL-G-10924.

HUMIDITY — 0% to 100% Relative Humidity

All materials used are practically non-hygroscopic.

CORROSION

All bright aluminum parts are anodized to specification MIL-A-8625 type 2, and wax sealed. Coated aluminum parts are anodized as above, then finished with two coats of baked enamel. Fastenings and ferrous parts are cadmium plated.

DUST

All working parts are enclosed in such a manner as to minimize entry of dust or dirt.

CONSTRUCTION

To achieve maximum strength and rigidity with minimum weight, Quick-Set equipment is made principally of aluminum. Wrought alloys in the form of bars, tube, shapes, sheet and plate are used, together with sand- and die-castings. Fastenings are steel, to AN standards, and steel is used for some miscellaneous shafts, gears, keys etc.

Processing of parts is accomplished on modern equipment with tolerances held generally to aircraft standards. Structures are individually assembled and tested 100% functionally before packing. Each unit is individually numbered and recorded to insure correct parts servicing when required.

**INSTRUMENT-
POSITIONING
EQUIPMENT**

QUICK-SET

INCORPORATED



LEG SECTIONS slide in nylon bushings for smooth operation and minimum wear. A nylon-bushed brake ring, screw actuated, locks leg sections at any extension.

STRUT COLLAR slides in nylon bushings on the central strut tube, and locks to hold legs at any desired spread.

CIRCULAR FOOT PLATES, faced with pyramid rubber, are attached by ball-and-socket joints and are self-leveling. Plates will not slip on smooth surfaces, nor sink into earth or sand.

ELEVATOR MECHANISM provides vertical adjustment from a fraction of an inch to full rise, by turning the hand wheel. Standard gearing provides $\frac{5}{16}$ " rise per turn. Gearing to provide $\frac{5}{32}$ " or $\frac{5}{8}$ " rise is available on special order.

The Column, a heavy-wall tube with rack teeth machined from the solid, is raised and lowered by a steel pinion which meshes with the rack. The pinion is driven by a hand wheel through a steel-to-bronze worm-gear reduction. Ball-bearings carry the thrust load on the worm to insure easy operation.

The Column is guided by an anti-friction bushing in the upper end of the elevator body, and the lower end of the Column carries an anti-friction bushing which bears on the inside of the Strut Tube. A brake holds the Column securely at the desired height, and locks it against side shake, to make it a rigid extension of the tripod.

QUICK-LOCK CONNECTOR

The Elevator column terminates in a socket with a precision bore. A steel insert has a conical recess in one wall, with a hole in the wall opposite.

Pan heads and accessories have a flanged stud with a transverse threaded hole in which is carried a cone-point set screw.

When the set screw is advanced, (hex wrench passes through holes in column and stud) the point of the set screw entering the recess in the socket takes up all clearance in the bore, and pulls the flange on the stud tight against the face of the socket.

TRIPOD WITHOUT ELEVATOR has three mounting holes in the top plate—($1\frac{3}{32}$ " dia. on 5" circle). Gibraltar Pan Heads may be mounted by attaching a 6501 Adapter to tripod.

DRAW BOLT Q/D CONNECTOR

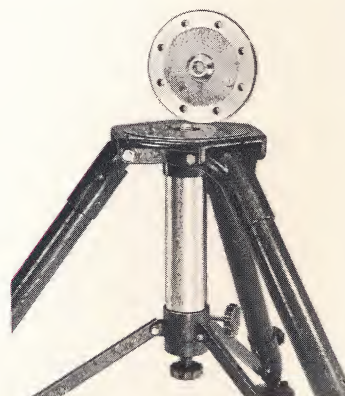
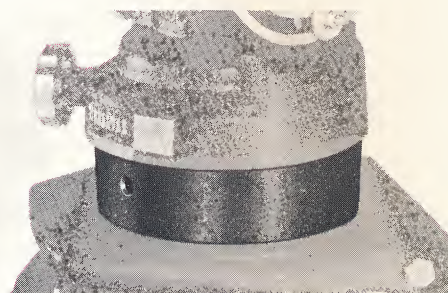
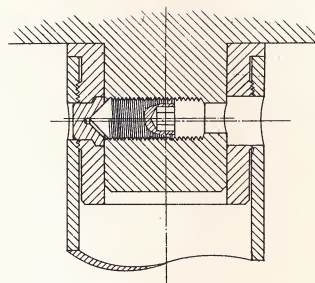
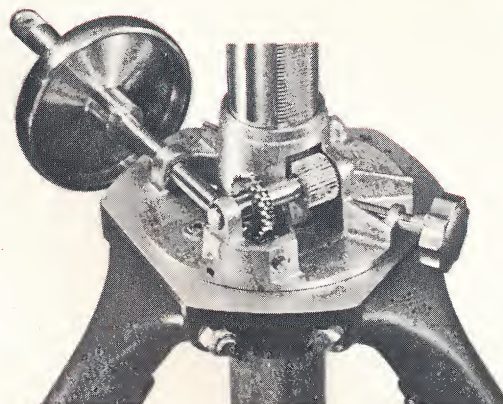
A special instrument mounting plate carries a central chamfered stud with internal threaded hole, and a radially spaced locating stud. The tripod (or Elevator column) has a mating central recess and a hole to receive the locating stud. A long 1"—8 bolt passes through the strut tube (or Elevator column) and secures the mounting plate quickly and rigidly.

RATED LOADS FOR GIBRALTAR TRIPODS

Tripod with Elevator	200 lb. maximum
Tripod without Elevator	500 lb. maximum

Tripods can be supplied on special order with Elevator mechanism to handle 300 lb. maximum.

These ratings apply to loads which are centered on the tripod. Loads considerably off-center reduce capacity—consult our engineering department.



GIBRALTAR TRIPODS ARE AVAILABLE IN THREE SIZES which are identical except for length and spread of legs and rise of Elevator column.

NOTE: For data on tripod complete with pan head, add height, weight and price of pan head (and adapter if required).



GIBRALTAR TRIPOD WITH ELEVATOR — \$360

Max. height, legs extended & spread, Elevator up
 Min. height, legs telescoped & spread, Elevator down
 Max. spread at max. height — dia. of circle
 Max. spread at min. height — dia. of circle
 Elevator rise
 Diameter of foot plate
 Telescoped size
 Weight

6302 — Full Size

85"

42"

88"

56"

20"

5"

13" x 16" x 58"

42 lb.

6312 — 3/4 Size

65"

30"

69"

46"

20"

4"

13" x 16" x 46"

38 lb.

6322 — 1/2 Size

38"

19"

64"

46"

13"

4"

13" x 16" x 29"

32 lb.

GIBRALTAR TRIPOD WITHOUT ELEVATOR — \$250

Max. height, legs extended & spread
 Min. height, legs telescoped & spread
 Telescoped size
 Weight

6010 — Full Size

61"

38"

13" x 16" x 54"

28 lb.

6030 — 3/4 Size

41"

26"

13" x 16" x 42"

24 lb.

6040 — 1/2 Size

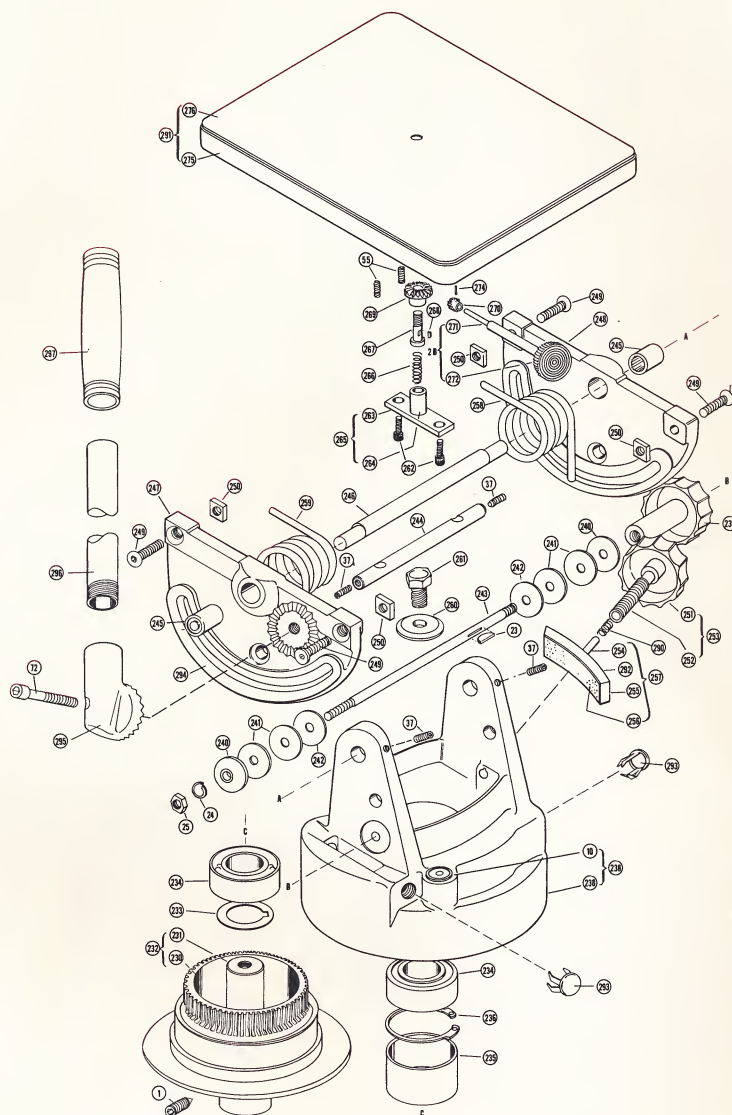
21"

15"

13" x 16" x 25"

17 lb.

Data on Spread and Foot Plate same as Tripod with Elevator



PAN 360°

Head can be rotated continuously. It is supported on two axially-spaced ball bearings (234) mounted on a large steel shaft (231). Pre-load on bearings eliminates shake, yet retains freedom of motion — heavy loads move at a finger touch. Screw operated spring-loaded brake (257) bears on a large diameter brake drum to provide adjustable drag, or positive lock.

VERTICAL TILT 120° — 53° up, 67° down.

The head tilts on two widely spaced roller bearings (245). Multiple contact brake (241) acting on side plates provides adjustable drag, or positive lock.

Torsion springs (258, 259) resist tilting in either direction, compensate for torque of load, and prevent nose diving.

QUICK-LOCK CONNECTOR

is standard. Stud is 1.747" dia. x 2" long. Other type studs available on special order in quantity.

LEVELLING

Circular bubble level (10) is mounted in pan head body precisely aligned with vertical axis.

RATED LOADS

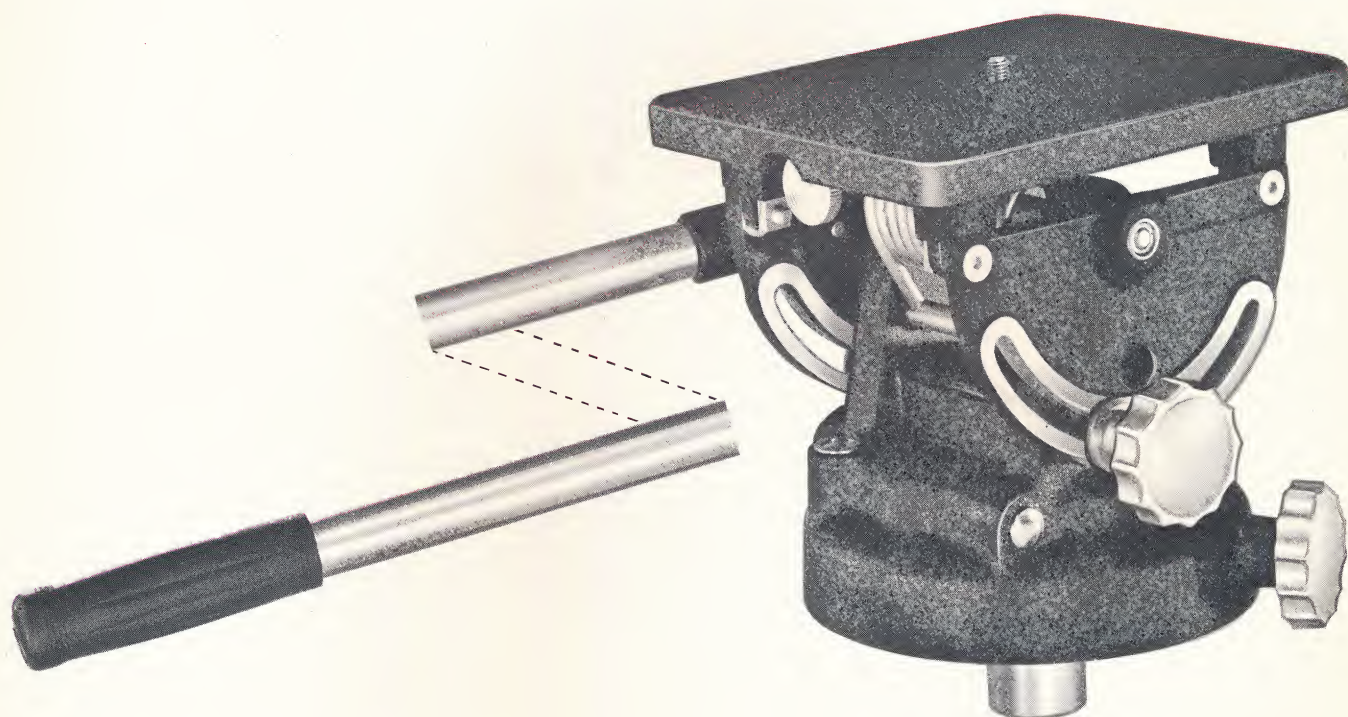
This head will counterbalance, at full 60° tilt, a 100 lb. centered load with a center of gravity 6" above the mounting plate. Loads to 200 lb. maximum can be handled, with some sacrifice in counterbalance, depending on the height and distance off-center of center of gravity. To check performance under specific load, see information on counterbalance springs, or consult our Engineering Department.

COUNTERBALANCE SPRINGS

Spring No.	Load Range Pounds	Torque Rate lb. in. per degree	Max. Tilt Down Degrees
S 4	50-200	12	60

S 4 Spring is standard, and is regularly furnished. Other springs available on special order in quantity.

(Springs are neutral at 0° tilt. In calculating torque of load, note that mounting plate is 2 1/4" above tilt axis.)



For use with large instruments where rapid changes of position are required, as in following moving objects; for situations requiring frequent and coarse changes of position.

The head is controlled by a large handle, and swings and tilts to any position with a minimum of effort, even with heavy loads. The handle has a non-slip grip and is adjustable for angle. (Handle can be reversed for opposite-hand operation).

Large knobs control friction on pan and tilt. First tightening adjusts spring pressure for graduated drag. Additional tightening produces a rigid lock.

Mounting plate is faced with cork-rubber composition for cushioned non-slip mounting of instruments.

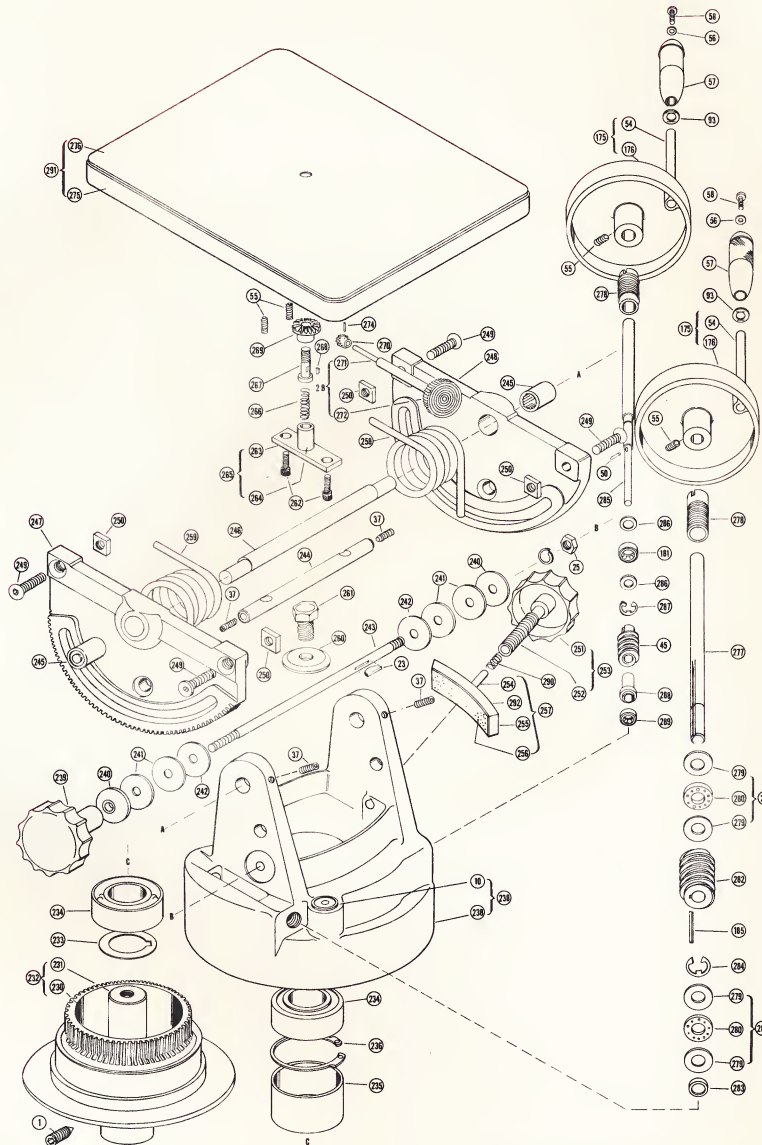
Floating gear-driven mounting screw makes it easy to attach heavy instruments. Screw is driven through bevel-gearing by turning a knob under the rear edge of the mounting plate.

SPECIFICATIONS

6201 Gibraltar FRICTION HEAD

Mounting Plate	8" x 10"
Mounting screw $\frac{3}{8}$ " — 16 standard, $\frac{1}{4}$ " — 20 available	
Vertical tilt 53° up, 67° down	Pan 360°
Handle	1" dia. 18" long
Height 8½"	Weight 18 lbs.

\$395



PAN 360°

Head can be rotated continuously. It is supported on two axially-spaced ball bearings (234) mounted on a large steel shaft (231). Pre-load on bearings eliminates shake, yet retains freedom of motion — heavy loads move at a finger touch. Screw operated spring-loaded brake (257) bears on a large diameter brake drum to provide adjustable drag, or positive lock.

VERTICAL TILT 120° — 53° up, 67° down.

The head tilts on two widely spaced roller bearings (245). Multiple contact brake (241) acting on side plates provides adjustable drag, or positive lock.

Torsion springs (258, 259) resist tilting in either direction, compensate for torque of load, and prevent nose diving.

QUICK-LOCK CONNECTOR

is standard. Stud is 1.747" dia. x 2" long. Other type studs available on special order in quantity.

LEVELLING

Circular bubble level (10) is mounted in pan head body precisely aligned with vertical axis.

RATED LOADS

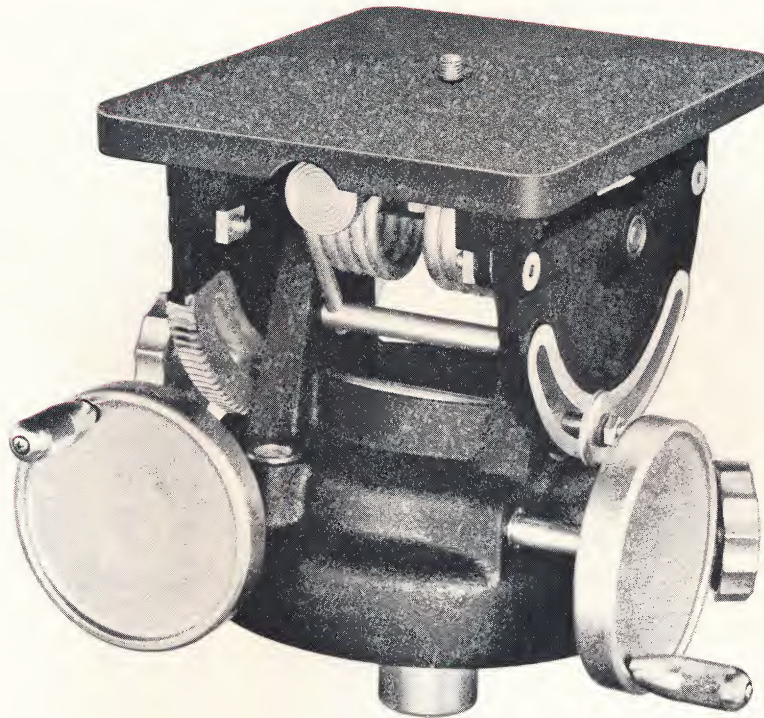
This head will counterbalance, at full 60° tilt, a 100 lb. centered load with a center of gravity 6" above the mounting plate. Loads to 200 lb. maximum can be handled, with some sacrifice in counterbalance, depending on the height and distance off-center of center of gravity. To check performance under specific load, see information on counterbalance springs, or consult our Engineering Department.

COUNTERBALANCE SPRINGS

Spring No.	Load Range Pounds	Torque Rate lb. in. per degree	Max. Tilt Down Degrees
S 4	50-200	12	60

S 4 Spring is standard, and is regularly furnished. Other springs available on special order in quantity.

(Springs are neutral at 0° tilt. In calculating torque of load, note that mounting plate is 2 1/4" above tilt axis.)



Suggested for use with large instruments where smooth and uniform movement is required; for instruments requiring very small or precise movements; or where it is desired to maintain position without the necessity of locking.

Both pan and tilt are operated by worm-gear drive through shafts set at right angles to allow convenient simultaneous operation. 4½" hand wheels with knobs can be spun for rapid motion, or "inched" for small adjustments.

Large knobs control friction on pan and tilt. First tightening adjusts spring pressure for graduated drag. Additional tightening produces a rigid lock.

Mounting plate is faced with cork-rubber composition for cushioned non-slip mounting of instruments.

Floating gear-driven mounting screw makes it easy to attach heavy instruments. Screw is driven through bevel-

gearing by turning a knob under the rear edge of the mounting plate.

SPECIFICATIONS

6222 Gibraltar GEARED HEAD

\$410

Mounting Plate

8" x 10"

Mounting screw ⅜" — 16 standard, ¼" — 20 available

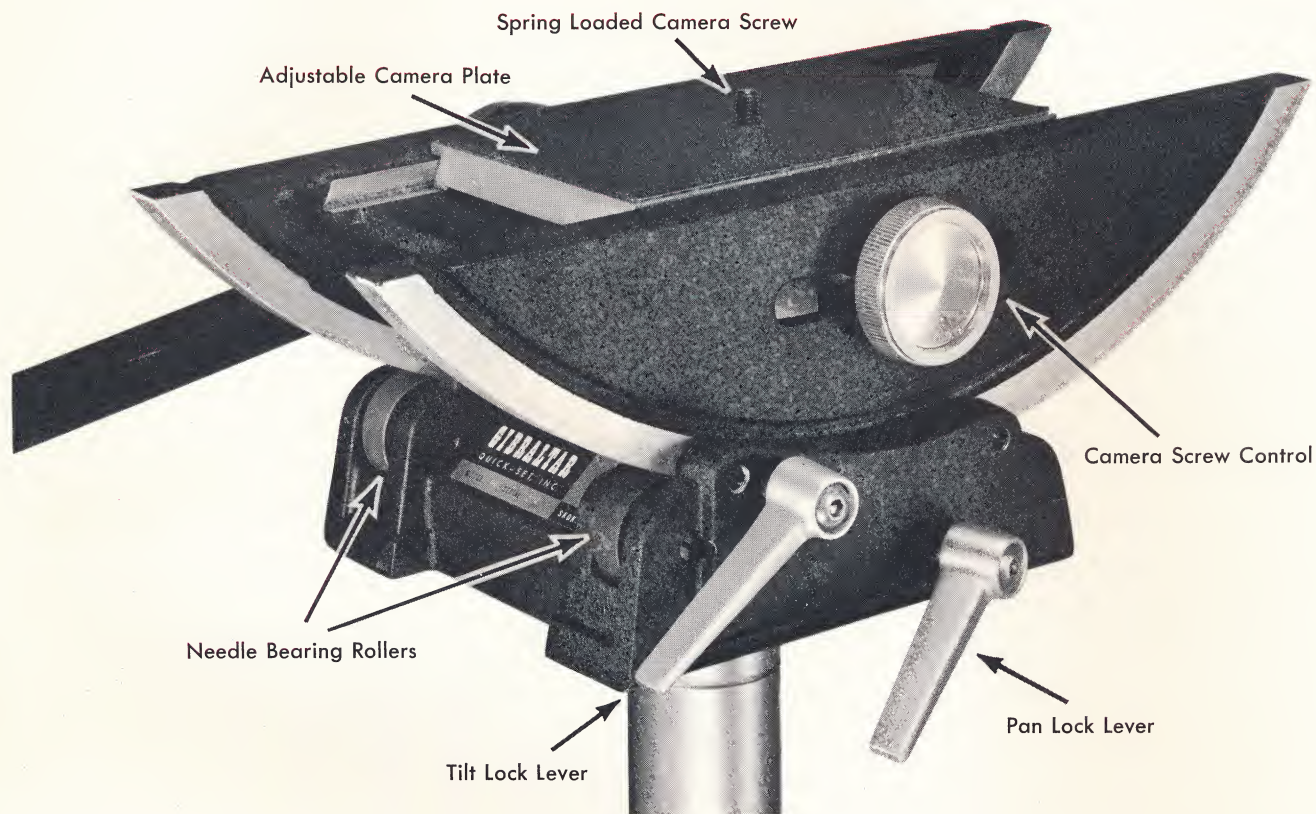
Vertical tilt 53° up, 67° down

Pan 360°

Tilt gear ratio 1:128

Pan gear ratio 1:96

Hand wheels 4½" dia. Height 8½" Weight 18 lbs.



PAN 360°

Head can be rotated continuously. It is supported on two axially-spaced ball bearings mounted on a large steel shaft. Pre-loading on bearings eliminates shake, yet retains freedom of motion. A knob operates a spring-loaded brake to provide adjustable drag. Separate lever operates a brake to provide quick-acting positive lock.

VERTICAL TILT 70°—30° up, 40° down

Instrument tilts on a circular segment of 23" effective diameter, supported on two pairs of non-metallic rollers which are mounted on needle bearings. Nylon guides confine side motion and safety lock screws prevent cradle from rising off rollers. A screw operates a spring-loaded brake to provide adjustable drag. Separate lever operates a brake to provide quick-acting positive lock.

QUICK-LOCK CONNECTOR

is standard. Stud is 1.747" dia. x 2" long. Other type studs available on special order.

LEVEL

Circular bubble level is mounted in body and precisely aligned with vertical axis.

RATED LOADS

This head will counterbalance, at full tilt, loads up to 150 lb. with a center of gravity 7" above the mounting plate. Loads with a higher center of gravity will require restraint when tilting—those with a lower center of gravity will tend to return to neutral position. Unless the center of gravity of the load differs greatly from 7", the over- or under-balancing tendency will be small.

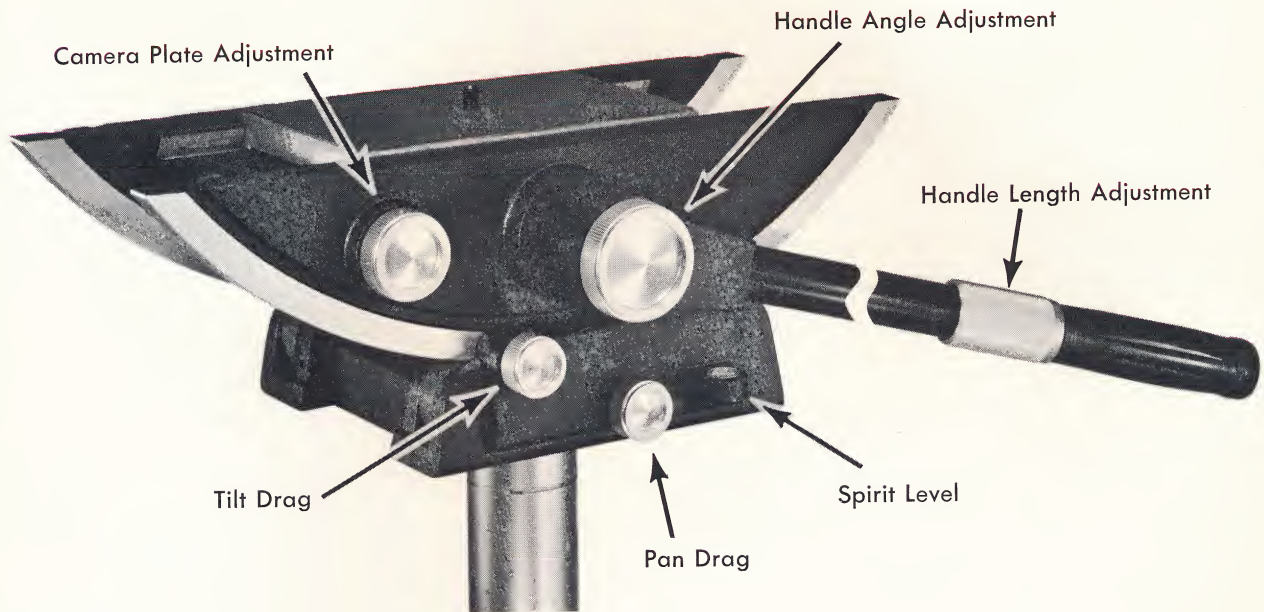
If the center of gravity is not over the mounting screw hole in the instrument, the adjustable instrument plate provides compensating means.

ADJUSTABLE MOUNTING PLATE

Mounting plate travels in dovetail ways, controlled by lead screw which is operated by knob through bevel-gearing.

FLOATING MOUNTING SCREW

Instrument is held by splined screw which floats vertically in bevel-gear supported by spring. Bevel-gearing is driven by knob to turn screw into instrument socket.



The Gibraltar Cradle Head is designed to handle broadcast studio TV cameras, and other large instruments of similar weight and bulk. Its outstanding characteristics are inherent stability and almost frictionless operation. It easily handles the heaviest equipment, panning and tilting at a finger touch.

The large handle, which is adjustable for length and angle, is on the left side, as are the drag controls for both pan and tilt. The right hand is free to operate the locks for pan and tilt, the camera controls, etc. The handle can be completely reversed, permitting opposite-hand operation when desired.

The heaviest cameras mount easily—the floating camera screw permits the camera to be placed in approximate position, then nudged into proper alignment of socket and screw. The screw is tightened by turning a large knob conveniently accessible on the side.

Different weights of lenses on the turret, or other factors shifting the center of gravity of the instrument, can be

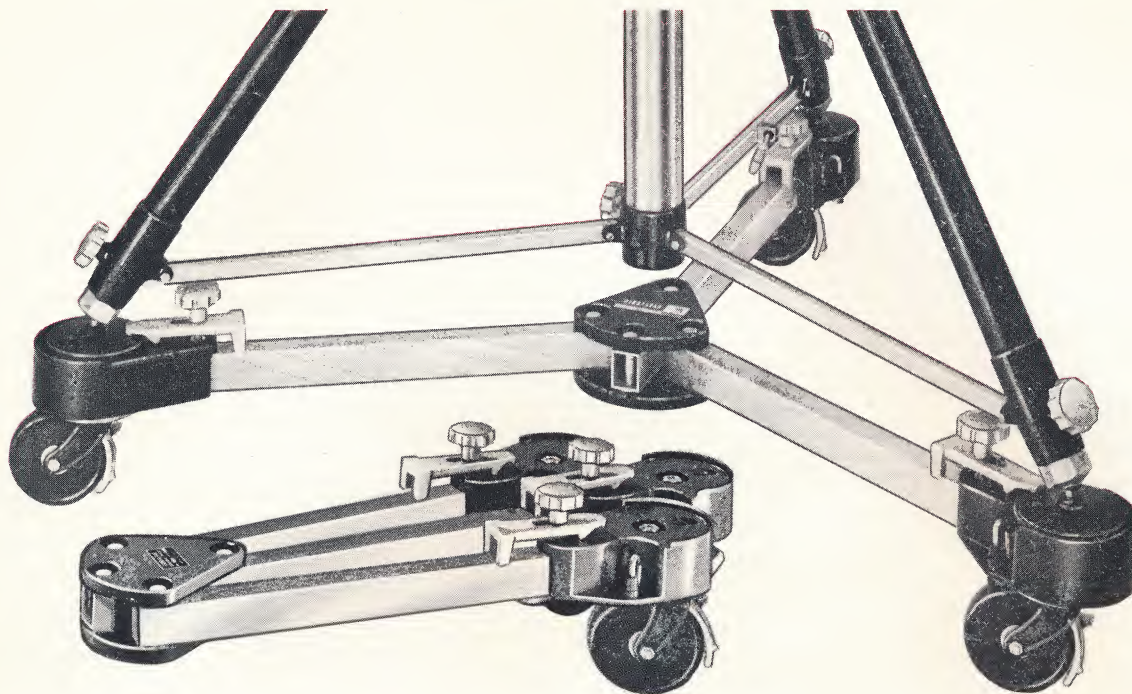
compensated by moving the mounting plate forward or backward. The position of the plate is controlled by a lead screw operated through bevel-gearing from a knob on the side.

SPECIFICATIONS

6245 Gibraltar CRADLE HEAD

\$435

Mounting plate 5" x 8", fore and aft adjustment 4"
 Mounting screw $\frac{3}{8}$ "—16 standard, $\frac{1}{4}$ "—20 available
 Vertical tilt 70°—30° up, 40° down Pan 360°
 Center of tilt 7" above mounting plate, Capacity 150 lb.
 Size 18" long x 11 $\frac{1}{4}$ " wide x 6 $\frac{1}{4}$ " high Weight 25 lb.



The Dolly provides a convenient means for positioning equipment in the studio or laboratory, and for transportation over substantial distances, as for inter-departmental movement. Y construction permits working in extremely close quarters and it is easily maneuvered through a doorway.

The dolly rolls on heavy-duty ball bearing swivel casters equipped with neoprene tires to protect finished surfaces. Each caster has 3-way swivel control—1, free swivelling—2, locked for two-track straight-line travel—

and 3, locked for three-track straight-line travel. A foot operated brake locks wheel and swivel simultaneously.

Arms are pivoted at the center so the dolly can be folded for compact storage or transportation.

The foot plate of the Gibraltar Tripod fits into a recess in the caster unit and is held in place by a sliding clamp, making for rapid mounting and dismounting. The ball and socket connection between the foot plate and the leg permits adjusting the length of the legs without changing the attachment.

6601 FULL Gibraltar DOLLY **\$215**
Caster 5" x 1 3/8" Capacity 500 lbs. Height 9 1/2"
Dia. of caster circle 57" Weight 34 lbs.
Folds to 12" x 16" x 36"

5602 Hercules DOLLY (Fits 3/4 & 1/2 Gibraltar) **\$100**
Caster 4" x 1" Capacity 500 lbs. Height 7"
Dia. of caster circle 45" Weight 15 lbs.
Folds to 7" x 13" x 28"

CABLE GUARDS

5602 Hercules Dolly can be equipped with cable guards on special order. Metal shrouds, permanently attached to casters, clear the floor by 3/16" and push cables and

wires out of the path of the wheels. Caster brakes must be removed when installing cable guards, but swivel locks remain effective.

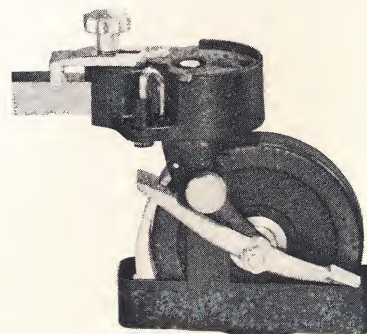
5602 Dolly CABLE GUARDS **Extra \$15**

HEAVY DUTY DOLLIES

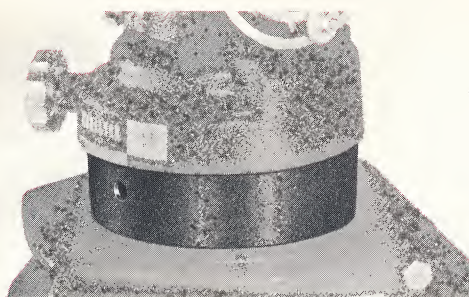
For handling heavy loads on rough or yielding surfaces both sizes of dollies can be supplied equipped with heavy-duty 8" casters with adjustable cable guards. Operation is the same as for the standard dollies including brakes and swivel locks.

6645 FULL Gibraltar Heavy-duty DOLLY **\$316**
Caster 8" x 1 1/2" Capacity 500 lbs. Height 12 1/2"
Dia. of caster circle 57" Weight 60 lbs.
Folds to 15" x 16" x 36"

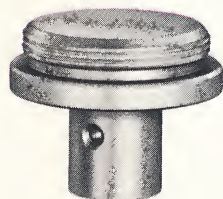
5645 Hercules Heavy-duty DOLLY (Fits 3/4 & 1/2 Gibraltar) **\$221**
Caster 8" x 1 1/2" Capacity 500 lbs. Height 11"
Dia. of caster circle 45" Weight 41 lbs.
Folds to 11" x 13" x 28"



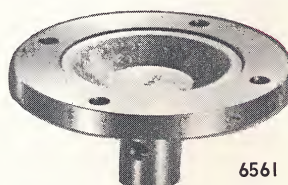
GIBRALTAR ACCESSORIES



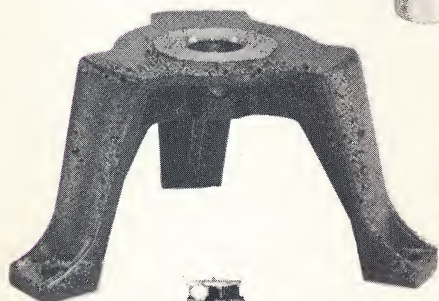
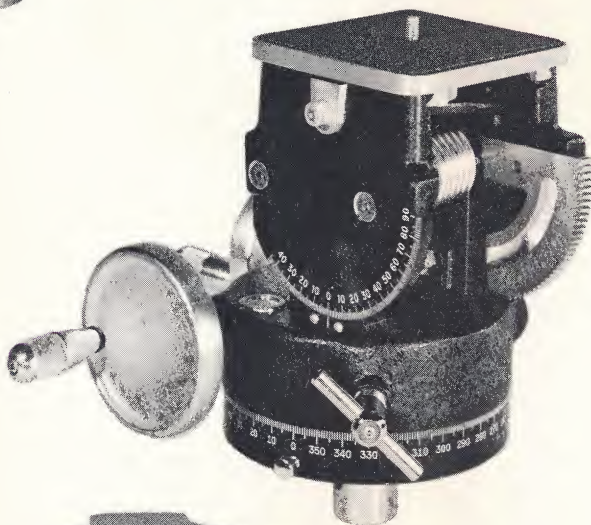
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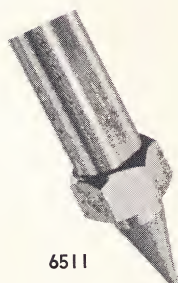
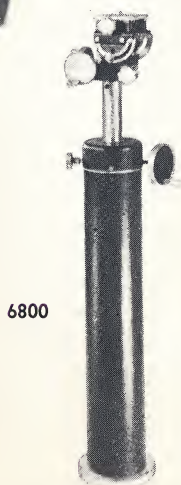
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6561



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6511

6501 Gibraltar Tripod ADAPTER

\$25

For mounting Gibraltar Pan Heads to Gibraltar Tripods without Elevator. Adapter bolts to the tripod top plate and has a recess to receive the Quick-Lock Connector of the pan head.

Dia. 7 1/2" Height 2" Bore 1.750" Weight 1 3/4 lbs.

OTHER MAKE PAN HEADS

Gibraltar Tripods can be supplied on special order complete with Miller, O'Connor or Thomas Fluid Heads and with Pelco Remote Control Heads. Prices on request. ADAPTERS are available to mount other heads on the Gibraltar Elevator Column.

6541 Gibraltar ADAPTER for heads with Pro Jr. Mount

\$40

6581 Gibraltar ADAPTER for heads with Mitchell Mount

\$65

6561 Gibraltar ADAPTER for Pelco PT-500

\$32

6571 Gibraltar ADAPTER for Pelco PT-1000

\$40

6591 Gibraltar ADAPTER for Theodolite, Level, etc.

Has A.S.A. 3 1/2"—8 thread.

ADAPTERS to attach other heads to Gibraltar Tripod without Elevator are available on special order. Prices on request.

CALIBRATED PAN HEADS

All models of Gibraltar Pan Heads can be supplied on special order with calibrated altitude and/or azimuth scales. Standard scales are graduated in degrees and numbered every 10 degrees, and may be had with plain index or with vernier index reading to 15'. Scales are engraved, with white graduations on a black background. The azimuth scale is adjustable to zero at any point; the altitude scale is set to zero when top plate is level. Special graduations and/or verniers are available on special order.

6531 Gibraltar HI-HAT

\$25

Mounts any Gibraltar Pan Heads in a semi-permanent location. A suitable pan head installed on a Hi-Hat mounted on a work bench provides a convenient means for holding and positioning instruments for adjustment or repair.

Height 4 3/4"

Weight 2 5/8 lbs.

3 holes for 5/16" bolts, spaced 120° on 9 1/2" dia. circle.

6511 Gibraltar SPIKE-TIP

(set of 3) \$20

Spike tip screws on outside of lower leg. Unscrewing the retaining nut at bottom end of leg removes the entire foot plate assembly. Standard tips are made of anodized aluminum. Other materials available on special order.

GIBRALTAR ELEVATOR COLUMN UNIT

Tripod Elevator Mechanism bolts to bench, console, etc. Column descends through top.

6900 Gibraltar ELEVATOR COLUMN unit

20" travel

\$230

GIBRALTAR PEDESTAL

Elevator Mechanism is mounted on large diameter column with flanged base. Special heights and/or power operation available on special order.

6800 Gibraltar PEDESTAL

2 3/8" column

\$290

Height 32" to 52"

Quick-Set will modify standard equipment, or build special equipment, in quantity, to meet customer's requirements.

Quick-Set equipment is designed to permit easy modification at relatively low cost. For example:

FINISH

Parts can be finished to match customer's equipment, or to any specification commercially available.

LEGS

Legs can be made longer or shorter, with more or less sections, of special material, and supplied with special fittings. Standard leg elements are available in sizes from $\frac{1}{2}$ " O.D. to $2\frac{1}{4}$ " O.D.

Quick-Set will build to customer's own design, or will develop special designs to meet customer's specifications.

ELEVATORS

Columns can be made longer or shorter, larger or smaller, etc. Drive mechanism can be modified to change gear ratio up or down. Standard Elevator elements are available in sizes from $\frac{7}{8}$ " O.D. to $2\frac{3}{8}$ " O.D.

MOUNTINGS

Pan and tilt heads can be furnished with any combination of friction or geared control. They can be furnished with special top plates to suit customer's apparatus and can be supplied with additional movements such as fore-and-aft movement of top plate, side tilt of top plate, either friction or gear controlled.

OTHER QUICK-SET PRODUCTS

TELESCOPING TUBULAR ASSEMBLIES

for Arms — Masts — Legs

Aluminum — Brass — Steel — Any finish

Standard collet-type joints from $\frac{1}{2}$ " O.D. to $1\frac{1}{2}$ " O.D. x $\frac{1}{8}$ " steps. Standard screw—lock joints from $1\frac{1}{4}$ " O.D. to $2\frac{1}{4}$ " O.D. x $\frac{1}{4}$ " steps. Special designs to customer's or military specifications.



LONG HANDLE FOR MILITARY MINE DETECTOR
5 Sections $1\frac{1}{8}$ " — $\frac{5}{8}$ " dia. Length $18\frac{1}{2}$ " min., 57" max.

QUICK-SET HERCULES EQUIPMENT

The work-horse of the Quick-Set line, Hercules, is rated at 50 lb. for pan head, 200 lb. for tripod only. 2 Tripods, 4 Pan Heads, 2 Dollies, Lo-Hi unit and accessories accommodate a wide variety of requirements. Complete details in Hercules Catalog.

QUICK-SET SAMSON EQUIPMENT

Rated at 25 lb. for pan head, 50 lb. for tripod only, the Samson line offers lighter construction and lower prices. 2 Tripods, 4 Pan Heads, Dolly, Lo-Hi unit and accessories accommodate a wide range of instrument requirements. Complete details in Samson Catalog.

QUICK-SET CONSOLES & PEDESTALS

Column units for mounting on desk, bench, console, etc. — manual or power operation — with bracket, arm, pan head. Available separately, or complete with console.

Pedestals for floor mounting — manual or power operation, with Hercules or Gibraltar column units and accessories. Complete details in Console Catalog.

